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AUGUST, 1909

THE INDUSTRIOUS HEN



ONE YEAR 50c—THREE YEARS \$1

AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

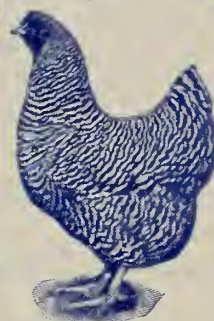


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THE INDUSTRIOUS HEN
COMPANY
Knoxville Tenn.



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THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 6

Knoxville, Tenn., August, 1909

(Whole No. 63) No. 3

THE WYANDOTTES—WHY THEY ARE BRED

WHY I BREED WHITE WYANDOTTES

Written for *The Industrious Hen*:



WE HAVE tried many different breeds, including Leghorns, and we find we can make more money out of White Wyandottes from either a commercial or fancy standpoint. We have never been in a financial condition that would admit of our taking sentiment into consideration in the breeding of chickens. Leghorns are very good spring and summer layers, but White Wyandottes will lay much better in the winter, and just as good during

spring and summer. When we come to market our surplus we find we have a nice plump broiler at ten weeks that brings a fancy price, while with the Leghorn it takes from twelve to fourteen weeks to make a two pound chick, which in most markets brings less than two cents below prevailing prices.

In comparison with some of the larger breeds, we find the White Wyandotte always round, plump and beautifully curved at every stage of its growth. It is never lean or lank with lots of daylight underneath that must be filled and rounded out with an extra amount of food before



White
Wyandotte
Pullet
Second
Prize
Winner
at
Indianapolis
Owned
by
George
Barkdoll
West
Unity, O.

it can be placed upon the market, as is the case with the heavier breeds.

The White Wyandottes are just as docile and as easy to handle as the Asiatics, English or American breeds but much more active, and will practically forage for two-thirds of their food supply when given range upon the farm.—GEO. BARKDOLL, West Unity, Ohio.

It is said that one-eighth of all the chickens hatched succumb to lice. Lice breed very rapidly and should be gotten rid of as soon as possible. Put out all birds and fumigate with sulphur.

Selling day-old chicks is a new business in the United States, but, strange to say, it has been practiced in China for many years. It is hard to do anything not already done in that wonderful country.

THE BIG POULTRY SHOW

The greatest State Fair Poultry Show in the Union will be held at Nashville, Tenn., next month, and now is the time when every reader of *THE INDUSTRIOUS HEN*, who has birds, should be making his or her arrangements to send a few along to this big poultry event.

There is no show in the country better advertised than the Tennessee State Fair Show and there is no show in the country better patronized than this show. Thousands of people attend the Tennessee State Fair Show annually for no other purpose than to see the poultry show and purchase stock and eggs. It will pay every breeder to send at least a few of his best birds to this great poultry exhibition.

The poultry industry in the South is growing at a wonderful rate, and much credit is due the Tennessee State Fair Show for the remarkable interest that is now being shown in thoroughbred poultry in the South, and every breeder owes it, not only to himself but to the industry at large, to support such shows as these, for the good they do can not be overestimated.

Let every poultry breeder who reads this article put his shoulder to the wheel and help make this show the greatest in the country. It means much to the breeders not only in the State, but over the entire South.

Let the thousands of people who come to the State Fair from the North see what we have and can do in this section of the country and it will be the greatest advertisement in the world for us. Let the Tennessee State Fair Show be to the South what the Madison Square and Boston Shows are to the North. It simply means that our best birds will be winners in the Northern winter shows later on.

THE INDUSTRIOUS HEN is not partial to any section of the country and would just as soon see a big Southern show, such as we need and must have, in Atlanta, Memphis, Birmingham, New Orleans, or any other Southern city, but believes that Nashville, by virtue of its geographical location, is the best situated city in the South for holding a big annual show—being only a night's ride from Chicago, St. Louis, Cincinnati, Indianapolis, and the largest cities of the South and being located right in the center of the greatest poultry field in the world—can lay claim to advantages offered by no other Southern city. Let the great Southern show be held each year at the Tennessee State Fair at Nashville and let every breeder in the South do his or her part by this show, and it will mean very, very much to all of us. Send for premium list and entry blanks to John A. Murkin, Nashville, Tenn.

FOR MARKET AND FANCY

Written for *The Industrious Hen*:

I find that White Wyandottes will lay as many eggs as any other breed and more than many. The youngsters are plump and blocky, not leggy as though they were on stilts, like some I have seen; extra fine in breast, and make the most desirable dressed poultry on the market, as they are short in thigh, full body and dress to perfection. In reality, I can get more to my liking in one White Wyandotte than anything I know. When I give them attention they are capable of giving the most beautiful curves and grace that can be found and please the most artistic taste. A beautiful White Wyandotte pullet reminds one of the grace and tidiness of a young lady.

What equals them?—M. F. MORRIS, Atlanta, Ga.

GOLDEN WYANDOTTES, THE BEAUTY BREED

Written for The Industrious Hen:



I THINK the Wyandotte the best bird on the market for general purposes today. They are thrifty and hardy, good layers, mature quickly and have plump, heavy bodies that every one likes so much, with rich, yellow skin and clear eyes. Who would pass a coop of Golden in a show and not stop to look at them? They are strictly a fancy bird with more fancy points than most any breed, but you must not think they have no quali-

ties except beauty, for they are full of business. They always bring money when eggs are considered, and after old biddy has served her days of usefulness for eggs she will fatten very easily and bring you 75c or \$1.00 on the market. Golden chickens are extremely good-natured and bear confinement well. My pens are enclosed with only a 50-inch fence and they never fly over. But if you are on the farm and have lots of room they will range all over the place, thus relieving you of so much trouble feeding, not to mention the expense, but they know where their roosting place is; likewise they know where their nest is and always lay in it very early in the day. The young chicks are very pretty little things, having brown backs with dark stripes, and steel gray breasts, or in fact their whole under-color is a decided slate color, when mature. These little fellows are rarely ever sick and unless something catches them, your death list will be rather short.

They grow very rapidly and reach broiling size in 8 or 10 weeks. They bear forcing very well. The hens make good mothers, being good hustlers and of a quiet disposition. They have one game cross in them and they get their ability to fight from this cross, but they are not at all pugnacious when being handled.

The Golden are easier to breed true to Standard than the other breed, especially the Silvers. Now, most of the other varieties of Wyandottes have a direct cross on the Asiatic families, and feather slowly. These Golden Wyandottes are generally known as the beauty breed, and they well earn this name, as no breed in the Standard can touch them for beauty. The main body color of both sexes is rich golden bay, each feather neatly laced around the edge with a lustrous black that fairly glistens in the sun like polished steel. The Golden have never been "boomed," but they are gradually forging their way to the front as a popular breed. The pioneers are the ones that make the money, and my advice to any one is buy Golden and buy as soon as you possibly can. After you have tried them one season and get thoroughly acquainted with them, you would not change for anything.—G. A. HARRISON, Nashville, Tenn.

CARING FOR FOWLS IN HOT WEATHER

Written for The Industrious Hen:

There are some people that are so fortunately situated in this world that they can readily drift into real relaxation during the hot summer months, but such is not the case with the poor mortals that have chosen poultry keeping for a livelihood. At least the writer finds no time in which to take his much desired vacation. At this time of year we are all more than ordinarily alert and active, regardless of the oppressive heat now existing. There are a "thousand and one" things now to keep us busy. If it is not poultry requiring our attention, it's other business matters, although the poultry business claims every moment of our time. But it is simply impossible to do everything, be everywhere and read everything that is going all at the same time. While I have a number of things to look after daily I always give the poultry special attention, especially at this time of year. I have learned from several years' experience that a little neglect at this time of year means a heavy loss in the end. If chicks are expected to make the best possible growth during the hot months, or at any other time, they must receive systematic and intelligent attention.

Chicks in making the race for maturity must be fed at regular intervals on the most wholesome food possible. Young growing fowls are seriously handicapped in the fight for maturity if allowed to shift and feed with the old fowls. The growing fowls can forage but little during excessive heat, hence must be supplied with food in order to keep them growing. Young growing chicks can be taught to forage for a great portion of their living where they have unlimited range; but, while the heat is so oppressive they should be fed more frequently than at other times, when

the weather conditions are favorable for their all day rambles. As soon as the breeding season is over separate the males from the females; you will find this method will result in a greater egg supply during the summer months. Hens will lay more eggs when freed from the males than when the males are permitted to run with them. During the summer months it is quite easy to allow the drinking water to become stagnant. There is nothing under the sun that will breed disease more rapidly than hot, stale water. A great amount of sickness in the flock can be avoided if clean, fresh water is always provided during the hot months. Not only should the fowls be provided with clean, fresh water, but clean, dry roosting quarters as well. To keep everything in proper trim for the fowls during hot weather requires considerable attention I admit, but it would be unwise to neglect them after you have them so near maturity. Note how quick chicks that are naturally supplied with clean spring water will develop into maturity. It's the clean, sanitary condition that hasten fowls off to complete maturity. For several years I have separated the cockerels from the pullets as soon as they begin to develop their sexual powers, and find they grow and make much larger males by isolating them from the females. In fact the pullets will do much better than if allowed to run with the cockerels. A large number of cockerels running with a flock soon becomes a nuisance. As previously stated, there are a multitude of things to be done during the summer months. There is absolutely no vacation in store for the practical poultryman unless he can substitute some one to take his place during his absence. It's a settled fact that fowls can not be neglected during the summer months. Our winnings the coming season largely depend on the care and management we give the fowls now. If all the world in the poultry fraternity could but realize the importance of proper care of fowls during the extremely hot summer months there would be much fewer failures and greater profits realized from the proceeds of poultry. The keeping of fancy fowls is not a luxury, as some suppose, but an honorable profession conducted on close, conservative business lines, especially where the business has proven a success; and success has been attained only by sticking to business every month in the year.—J. C. CLIPP, Saltillo, Indiana.

TENNESSEE STATE FAIR SHOW

Written for The Industrious Hen:

That the Tennessee State Fair Poultry Show (September 20-25) will be the greatest State Fair Poultry Show in the United States there is no longer a question of a doubt. Hundreds of letters have already been received from points all over the South and from many sections North and East. Last year there were over 3,500 entries from 20 states. It is confidently expected that the entry this year will exceed 5,000. As a show center there is not a better point in the country than Nashville. People came here last year from all over the Southern and Middle States for no other purpose than to see the poultry show and purchase stock and eggs. The breeders were all loud in their praise of the splendid business they received as a result of showing at the Tennessee State Fair Show. Aside from this a winning at this show is of as much importance now as a winning at any show in the country. It means the best in the land. The S. C. R. I. Red class alone last year ran nearly 500 birds entered from New York and New Jersey to Texas. THE INDUSTRIOUS HEN has attended the State Fair Show for the past three years and does not hesitate to say that it is one of the biggest and best State Fair Shows in the country, and urges every one of its readers who intends to exhibit this year to make this show. The premium list this year is the best that has ever been offered at this show. Address Jno. A. MURKIN, Superintendent, Nashville, Tennessee, for premium list and entry blank.

WRINKLED EGGS

Referring to the theory that eggs wrinkled at the narrow ends produce cockerels, an English writer says, to the student of embryology this fallacy is at once apparent. For the first few days the chicken is sexual; from then to about the seventh day it is distinctly hermaphrodite, and contains within itself the elements of both sexes. After this stage it diverges in one direction, one set of organs developing and the other diminishing, according to whether the germ is going to produce a male or female. So that if the germ had a living consciousness it would not know at the sixth day which sex it would ultimately be.

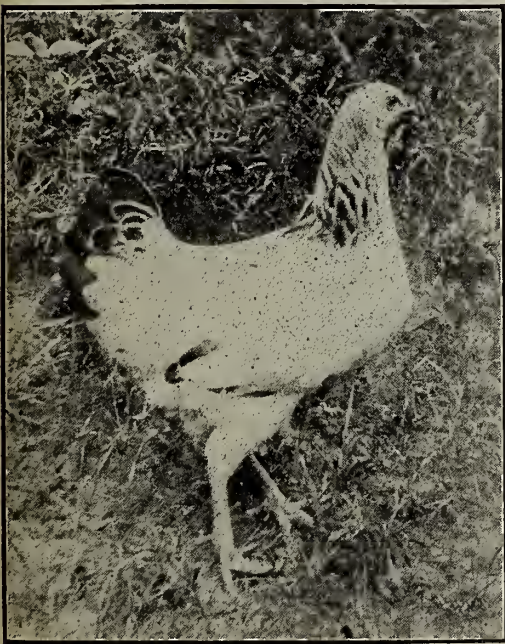
SELLING HENS

There is a best time to do everything and there is a best time to sell hens. Think the matter over and decide what is the best time with you. You don't want to feed a hen three or four months and then sell her for less than you could have obtained at first, especially when she is not paying for her keep. What is the matter with selling in the early summer about the time the hatching season is over? Then the hen is apt to be in a better condition and prices are better than late in the hot season and especially than when the moulting season comes on. She may lay some more eggs yet but the price is generally lower. Two-year-old hens, especially, should be sold as they now have no promising future. As the season advances the number of broilers thrown on the market increases and the price of hens falls in proportion. When a hen's usefulness begins to decrease it is best to sell her without delay.—T.C.K.

THE COLUMBIANS

Written for The Industrious Hen:

I like the Columbian Wyandottes because they lay well, and that through several years, if you wish to have them do so. They soon attain a good size either to use or to sell. In either case you have something. Then besides foraging well for insects, they eat freely of vegetable food, the cheapest food that can be furnished in quantity. In our climate we can supply this in abundance all the year round. They are very beautiful, and that adds much to one's pleasure in caring for them; and they get better care and do better when we feel a keen interest in them.—A. C. SNODDY, Newport, Tenn.



Columbian
Wyandotte
Pullet
Four
Months
Old
Bred and
Owned by
A. C. Snoddy
Newport,
Tenn.

ADVICE TO BEGINNERS

Written for The Industrious Hen:

As more and more people are getting the poultry "bee in their bonnets" a few words of advice is not out of season just at this time.

The hatching season is over and the experienced breeder is selling off old stock to make room for the young breeders now growing.

It is a good idea to buy ten or twelve hens (not over two years old) and a cockerel to start on. This gives the beginner hens that will lay eggs and be good mothers to care for the little chicks after they are hatched.

Make up your mind at the start just what breed you want to raise and the quality of fowl you wish to develop.

If you want a general purpose fowl look over the claims of the different writers for the different breeds in each issue of THE HEN and after you make your selection for gracious sake stick to that breed. Then decide whether you are to breed utility or exhibition birds, or both.

If you are to breed only for utility, good hens should be bought for \$1.00 to \$1.50 each, and a good cockerel for \$1.50 to \$2.50.

If for exhibition, buy the very best high scoring birds you possibly can. If for both, buy the best, for all eggs hatched from exhibition birds do not produce exhibition chicks, so your young stock would produce birds of both classes.

After you have used your old hens one season sell them

off at 30 or 40 cents each and breed twelve of your best pullets to your original cockerel.

Buy good reliable eggs every time you have a hen to set and do not have enough eggs of your own. Don't be stingy but be sure to get your money's worth by dealing with a reliable dealer.

By hard work and study you can build up a strain of blood in your flock as good as the best.

Before closing this article, I will give a few don'ts that will prove of value to the man or woman who really wants to succeed in the poultry business.

Don't expect perfect birds for \$1.00 each.

Don't expect prize winners from \$1.00 eggs.

Don't expect the poultry yard to take care of itself.

Don't write an advertiser in THE HEN, or any other poultry journal, his price for broilers. You can't buy stock that way.

Don't expect too much from one setting of eggs. You will have to hatch several to "start" a poultry yard.

Don't lie about your birds. Honesty alone will build up a business.

Don't expect 15 prize winners from a \$5.00 setting. If you get one or two you are lucky.—L. C. MARSH, Washington, Miss.

THE HEN'S TEETH

We sometimes speak of certain things being as scarce as hen's teeth. The idea is that the hen has no teeth at all, but this is a mistake. Her teeth are the sharp gravels which she picks up here and there to store away in her gizzard and grind up the food as it comes down. The gizzard is strongly muscular and possesses great masticating power as it rubs the food and grit together in a mass.

How many farmers are careful to furnish their hens with plenty of gravel teeth? It is just as necessary to attend to this as to feeding. You throw out corn to your poultry, but how are they to digest it without mastication? How could you live by swallowing all your food without chewing? Mastication is just as necessary in a hen as in you.

You say the fowls pick up grit on the farm. To some extent this is true where grit is naturally abundant, but in some places there is no grit. Where it is scarce, the fowls use it over and over again. This is not good or wholesome. The sharp edges are worn off and its grinding powers largely lost. You should have in reach of the fowls boxes of sharp gravel, broken crockery, or delfware. They should always have plenty of grit and the harder and sharper it is the better.

HOW TO CURE

The best way to cure a disease in your poultry is to never let them get it. Prevention is better than medicine.

Don't overfeed and don't underfeed. Keep your birds vigorous and full of good blood. Then they will be able to resist disease.

Be careful about introducing new members into the flock. It is an excellent way to introduce disease. If they must come, keep them in a quarantine pen for a few weeks.

In case of fatal diseases like cholera and roup, it pays better to remove the cause than to try to cure. Burn or bury all sick fowls, dispose of the rest, and then thoroughly disinfect the premises, or remove the yards to a new locality.

Contagious diseases are produced by a germ. Keep the germ away and you don't have the disease. After germs get a hold in the system it is hard to destroy them.

Many chicks sometimes die in the shell or in early life, because they come from weak stock. This trouble is cured by breeding from vigorous stock.

Dampness, bad air, and drafts cause much sickness. The only cure is to remove the cause. The disease will then disappear.—T.C.K.

THE PROSPECT

The poultry prospect was never brighter than it is today. Eggs have brought good prices all summer. Prices have been from 35 to 40 per cent greater. Much of the time the supply could not meet the demand. Summer prices are now nearly as good as winter prices some years ago. Next winter they will be 40 to 60 cents.

Poultry of all kinds has sold well but nothing equals the demand for eggs. You ask what branch of the business is indicated for the future? The egg farm without doubt. If you want to make money this winter and the next, start an egg farm and run it right. It won't run itself and pay out. So be careful to run it right.—T.C.K.

BUFF WYANDOTTES

Written for The Industrious Hen:

The Wyandotte is a noble family of birds and will sooner or later take the lead as the one best breed of poultry.

I believe the above statement can be verified from any point of view one chooses to take; whether from the standpoint of specialization or from the standpoint of general utility.

Taken from the viewpoint of the fancier the Buff Wyandottes are preeminently the classiest birds in the show room for beauty of contour, symmetry and carriage. The richness, softness and modest brilliancy in the coloring of their plumage is a marvel of what may be accomplished by intelligent mating and care.

Though the fancier may be justly very enthusiastic over the beauty and fine points of his Buff Wyandottes, yet it is as a general-purpose fowl that the Buff Wyandotte leads them all, and about this fact the Buff Wyandotte breeders become even more enthusiastic, if possible, than about them as show birds. They are attentive setters and good mothers, yet not hard to break from setting, and frequently begin laying before weaning their former brood. As a table fowl they are up with the best in this country and but little behind the great Dorking family of England. They dress clear and a bright yellow and there is "some hen" there too when one is prepared for eating.

As youngsters they are vigorous and hustling feeders, ranging until nightfall drives them in. They possess all



Splendid Specimen of Buff Wyandotte Cock, bred and Owned by R. C. Richey, McKenzie, Tenn.

of the good qualities of the Wyandotte family. They are attractive to the eye of the fancier, excellent table fowls and are among the best as all-year layers and are the best as winter layers. Without a doubt the Buff Wyandotte fills the bill for any one wanting an all-purpose fowl.

The South needs more breeders of this excellent variety of fowls; breeders who are enthusiastic, earnest and intelligent; breeders who are honest, energetic and enterprising; breeders who are pushing, persevering and persistent. Let us have them.—R. C. RICHEY, McKenzie, Tenn.

DRY FEEDING BECOMING POPULAR

Written for the Industrious Hen:

Of late years dry feeding is becoming quite popular, although it is not a new idea in the poultry ranks. Fully twenty years ago the matter was agitated and adopted by some poultrymen, but as a general thing it was not favorably received.

The arguments used today in favor of the dry mash and whole grain diet are, first, after becoming used to it, fowls will prefer the ground grain dry to that which is either cooked or steamed; second, it is a labor-saving method; third, it keeps fowls in a more healthful condition; and, fourth, better fertility to the eggs.

At first the fowls will not take very kindly to the dry feed. As meat scraps are mixed with it, they will pick out all such, then probably the cornmeal, or some may prefer the bran; but all of it is seldom consumed until the fowls become accustomed to it. Gradually they will eat more and more of it, finally cleaning the trough. Another benefit is that after eating a few mouthfuls they will repair to the drinking vessel and secure several swallows of water, then back again to the trough, and so on during the entire meal. It is claimed that more water is consumed by dry-fed fowls, and as water enters so largely in the composi-

tion of the egg, increased egg production should be the result.

The method is a great labor-saver. It is possible to both feed and water the stock in the same time it takes to prepare the wet mash and feed it.

The writer prefers feeding the dry mash in troughs instead of hoppers, unless a hopper can be devised that will be proof against mice and rats. Such a hopper could be made of galvanized iron, and made to close at night, and opened in the morning. If large enough to hold sufficient material for several days' feeding, still more labor could be saved.

There is also a decided advantage in the system from a health standpoint. There is not so much danger of over-fat hens, and consequently there will be less soft-shelled and deformed or ill-shaped eggs. There will be fewer cases of bowel disorders, and less trouble with indigestion. Wet mash allowed to remain in troughs any length of time during hot weather will sour, which is the cause of many cases of sickness.

For growing chicks it is recommended. They eat a few mouthfuls and then take a swallow of water and scamper off for a run. In a few moments they return and repeat the dose. They never gorge themselves, and when they feel a little hungry a little food helps them out. At night an extra allowance of food is placed in small boxes in their houses so that the youngsters can help themselves at break of day. Nothing gives a chick a worse setback than pining for food.

But we like only the mash to be fed fowls in this way. The whole grain should be strewn among some light litter, like leaves or cut straw, so that the birds must scratch for all they get. This exercise is needed. The grain should be fed at least an hour before time for them to go to their roost, so that ample time is given them to hunt. If thus fed in a scratching shed, the fowls will continue their search the next morning at break of day, and the attendant will find them hard at work when he comes around to give them their breakfast.

Duck raisers pack forty dressed ducklings in a barrel for shipment.

It is generally estimated that broilers shrink about a half pound each when dressed.

The manager of one of the largest duck farms claims that an expert can scald and dress a duckling in ten minutes.

The critical period of the turkey is the first eight weeks of its life. About 48 eggs is the average yearly record of the hen.

It is estimated that laying Pekin ducks require from two-thirds to three-fourths of a quart of food per day for each duck, or from 66 to 75 quarts per 100 ducks.

"Squab broilers" must not weigh over three-quarters of a pound each; generally a half pound is most acceptable. They bring the best prices when marketed during January and February.

For poultry food, pea meal will be found nutritious, rice easily digested, linsced meal cathartic, potato starch digestible, barley nutritious but laxative, and oatmeal more nutritious than either wheat or barley. There is fully 5½ per cent of fat in oatmeal. Corn contains from 7 to 8 per cent of yellow fat.

If poultrymen would worry less about ventilation and pay more attention to cleanliness, there would be less losses. Ventilation is needed, and if the houses are built on the scratching-shed order all will be supplied that is needed. But if the filth is allowed to accumulate in a hen house, all the ventilation that a scratching-shed house can afford will not prevent the entrance of disease.

The late P. H. Jacobs once made a test with chicks of different breeds, using ten chicks of each breed, so as to secure an average. When one month old, ten young Brahmas (together) weighed 7 pounds and 2 ounces, while 10 chicks of the Wyandottes, Leghorns and Plymouth Rocks, weighed 7 pounds (every ten), or only 2 ounces less than the Brahmas. The second month the ten Brahmas weighed 17 pounds; ten Wyandottes, 15 pounds; ten Leghorns, 14 pounds; and ten Plymouth Rocks, 14 pounds. The third month the ten Brahmas weighed 33 pounds; ten Wyandottes, 30 pounds; ten Leghorns, 24 pounds; and ten Plymouth Rocks, 25 pounds. Of individual chicks, the third month the heaviest Brahma weighed 3¾ pounds; the heaviest Wyandotte, 3¾ pounds; the heaviest Plymouth Rock, 2¾ pounds; and the heaviest Leghorn, 2½ pounds.—MICHAEL K. BOYER, Hammonton, N. J.

COLUMBIANS COMBINE ALL GOOD QUALITIES

Written for the Industrious Hen.

When first taking up the Columbian Wyandottes I could readily see a wide range in study along improved lines—appreciating as I did the beautiful combination in a parti-colored fowl, combined with a good utility basis. In a sense I might say the field of study which was quite apparent with this variety prompted me to take them up with great interest.

My enthusiasm has never faltered, and each year brings results with increased interest. All breeders of Columbian Wyandottes, like myself, have had difficulties to surmount in the past, and after personal visits to some of the best breeders of this variety during the last season, I feel privileged to say that the marked improvement has been greater than in any six years previous. In fact the show room has proven this as well.

There is no parti-colored breed in the American Standard of Perfection today that is described and illustrated so perfectly as the Columbian Wyandotte and Light Brahma, both of which should be one and the same thing in color and marking. In fact the English language does not afford better defined terms than is found in description of plumage and other points of excellence that go to make up this wonderful combination in black and white. It is this conservative law, true to nature, that has formed the basis and lent able support to one of the best breeds of middle weight fowls in the American class today.

The Columbian Wyandottes are rapidly filling the requirement in a very high degree. In brief, I will say in



"The Peggy of
Columbians"
1st Prize Pullet,
Akron, 1909.
Bred and
Owned by
C. L. Patterson,
Akron, O.



points of merit that the Columbians go hand in hand with their white cousins. We do find, however, that the average Columbian pullet matures from four to six weeks earlier than the Whites—this having been proven beyond a reasonable doubt by experiments under equal conditions. They are prolific winter layers and maintain the Brahma characteristics in this respect. They are unsurpassed as market fowls, presenting a plump carcass at any age. There are a whole lot of other good points that go to make them valuable to the trade, from a fancier's standpoint, down to the market for eggs and meat.

I have been very much interested and pleased at the manner in which our Southern fraternity has taken up this noble breed, many of whom are showing the boys just how to get good ones.—C. L. PATTERSON, Akron, O.

SHALL CONVICTS MAKE ROADS OR MINE COAL?

SHALL their employment be for the common good of present and future generations, or in supplying coal to industries in other states for less than they could buy it anywhere else? Where is the economy, pray, in using several hundred men to exhaust our fuel resources for the benefit of manufacturers in Georgia, when they could, and should, be building roads for the citizens of Tennessee?

There is just so much coal in Tennessee, and there never will be another pound created. There is just so much mileage of good roads sorely needed in Tennessee, which, if built, will cause millions of new wealth to be created. It is a question of whether the labor-power of the state shall be used to create wealth, or gradually to destroy it.

The people of Tennessee never had an opportunity to decide whether, in the use of convict labor, they wanted to build roads, or mine coal. In the first place, the state authorities drifted into the coal mining business as a sort of

temporary expedient. There had been conflicts between free labor and the convicts under the old lease system, and to extricate itself from such difficulties, the state went into the mining business for itself. Had there been the demand for good roads then as now, there is scarcely a doubt that the convicts would have been set to building them. Now we have the demand, the imperative necessity. Let us, therefore, speedily make ready to use the means at hand to obtain them. We have long talked good roads; let us now go into action.

SILVER PENCILED WYANDOTTES

Written for The Industrious Hen:

The Silver Penciled Wyandottes were originated by Ezra Cornell and George H. Brackenbury, who spent several years in developing them before they were brought before the public. They mated them with some definite end in view. Only high-class specimens of the different matings were used and not a drop of mongrel blood was allowed to creep in. The result was the production of this grand variety, which for beauty and useful qualities, deserves more consideration than it is receiving at the present time.

In color the Silver Penciled Wyandottes are identical to the dark Brahma. The color of the male bird in tail, shoulder, wing coverts, breast, body, fluff and thighs should be glossy black. The primaries and secondaries should be black, edged with silvery white, forming a white wing bar when the wing is closed. The hackle and saddle should be silvery white, striped with black, and the wing bow, back and head silvery white. His shanks and feet should be yellow, free from stubs and down. In shape of head and comb he should be like all other true Wyandottes.

The body color and two main tail feathers of the females should be light or steel gray with a triple penciling of black running parallel with the outside of the feathers, free from shafting. Her head should be silvery white, and hackle white, striped with black. The primaries and secondaries should be black, edged with gray penciling; tail feathers black, except two main tail feathers, which should be black, penciled with gray. The true Wyandotte shape of head and comb is also observed. The undercolor in both males and females should be light gray or dark slate.

In mating Silver Penciled Wyandottes I practice the single mating system. As the male is half the pen, take great care in his selection. See that he has the proper symmetry. Select a bird, if possible, that when a chick, had a well mottled breast; and if when matured, his breast is solid glossy black, free from white, you will get both exhibition cockerels and pullets from a single mating. See that he has good dark slate undercolor. He should be strongly striped in hackle and saddle. His comb should be of correct Wyandotte shape and form; but I would not sacrifice other good points merely for a comb, as long as it is rose. The females should be steel gray, well penciled all over, with well striped hackle. Select females as uniform in color as possible and don't forget about shape.

A flock of Silver Penciled Wyandottes cannot help attracting the attention of all admirers of fancy poultry. They equal any of the Wyandottes as table fowls, and as chicks, are very hardy, maturing very quickly. As egg producers they are among the best, especially in winter when eggs are scarce and command a high price.

It is the misfortune of the Silver Penciled Wyandotte that just as it was springing into popular favor, the Columbian Wyandotte boom came on and the Silver Penciled Wyandotte has been forced to take a back seat. Nearly all those who have bred them are staying by them, and with such great merits as they possess they will surely come into popular favor again. I would not part with mine, under any circumstances, for they are surely money makers.—ARCHIE E. VANDERVORT, Sidney Centre, N. Y.

NATURAL FLOWER GEMS

A series of direct-colored photographs of Natural Flowers, Roses, Forget-me-nots and Pansies, photographed direct from the flowers in colors with gold backgrounds. Beautiful Art Panels with Friendship Sentiments pertaining to the flower, sometimes called the Language of Flowers.

These cards are finished in the quadro-color process made with a genuine gold bronze background, and enameled with German enamel glaze, the highest finish of glazed card known.

There is nothing made in competition with this card that equals it.

We will give you absolutely free a full set of 12 of these splendid gold post cards.

POULTRY RAISING IN VIRGINIA

WRITTEN FOR THE INDUSTRIOUS HEN BY F. H. LE BAUME

ONE of the most satisfactory and encouraging sights throughout the Southwestern section of the state is the loaded trucks of poultry and farm products that can be seen at almost all the railroad stations in that section every morning waiting for the trains to carry them to the markets of the Atlantic Seaboard. The conditions throughout the entire Southwestern section of Virginia are peculiarly adapted to the raising of poultry and garden truck of all kinds, and I am going to try and outline a little plan of procedure with suggestions here and there that I hope may be instrumental in inducing a larger number of the farmers and small land owners to give this branch of activity more consideration and thus insure for themselves larger returns than they have been able to command heretofore.

I think perhaps the greatest opportunities lie along the connecting lines that tap the Norfolk and Western Railway at different points throughout this section of the state. I do not know that I have seen a better territory than that lying tributary to the Virginia-Carolina Railway clear through from Abingdon to Konnarock, and if I can say anything that will induce the farmers of this region to take up poultry raising and trucking on a larger scale, I will feel amply repaid for the effort.

There is a very prevalent idea among beginners that the way to go into the poultry business is to secure a lot of fancy and high priced chickens, incubators, brooders and other equipment in order to start in on a big scale and get large results. The incubator people, the poultry supply houses and to a certain extent, the poultry journals all do their best to emphasize the necessity of these things, and probably no other condition has brought about so much dissatisfaction and discouragement as this tendency to load up the beginner with more stock and equipment than he has the experience or the ability to handle economically and skillfully. The bulk of the money obtained from poultry and poultry products in the United States, which exceeds half a billion dollars annually, is made by those raising poultry on a comparatively limited scale, with flocks of from twelve to fifty or sixty fowls, and this experience is absolutely essential before any one can get best results from a large plant with all its complicated equipment. The thing to do is to get a dozen good hens with a cockerel of the same breed, if you are just starting in the business, give them good clean quarters with plenty of clean water, green food in addition to grain and grit, and if possible a good range to forage on. It is surprising indeed, how quickly poultry will show the results of careful attention. Make up your mind to confine yourself to one variety and then select the same either for eggs or for market purposes. Personally, I do not believe there are better breeds than the White Leghorn, the White Wyandotte or the White Plymouth Rock. The Leghorn is a wonderful egg machine, active, healthy and as handsome a little fowl as any. Furthermore they grow into one pound and pound and a half broilers quicker than the larger varieties; but from that size, the growth is more slow and the average matured weight much less than the Asiatics. The White Plymouth Rock or the White Wyandottes are much larger, do not lay as many eggs but dress up a couple of pounds heavier than

the Leghorn, and with the same attractive yellow legs and yellow skins.

Any of the other breeds are probably just as good and are preferred by many, including the Barred Plymouth Rock, the Brown Leghorn and others. I lean to the white chicken, because it dresses up cleaner and more easily than the fowl with dark pin feathers.

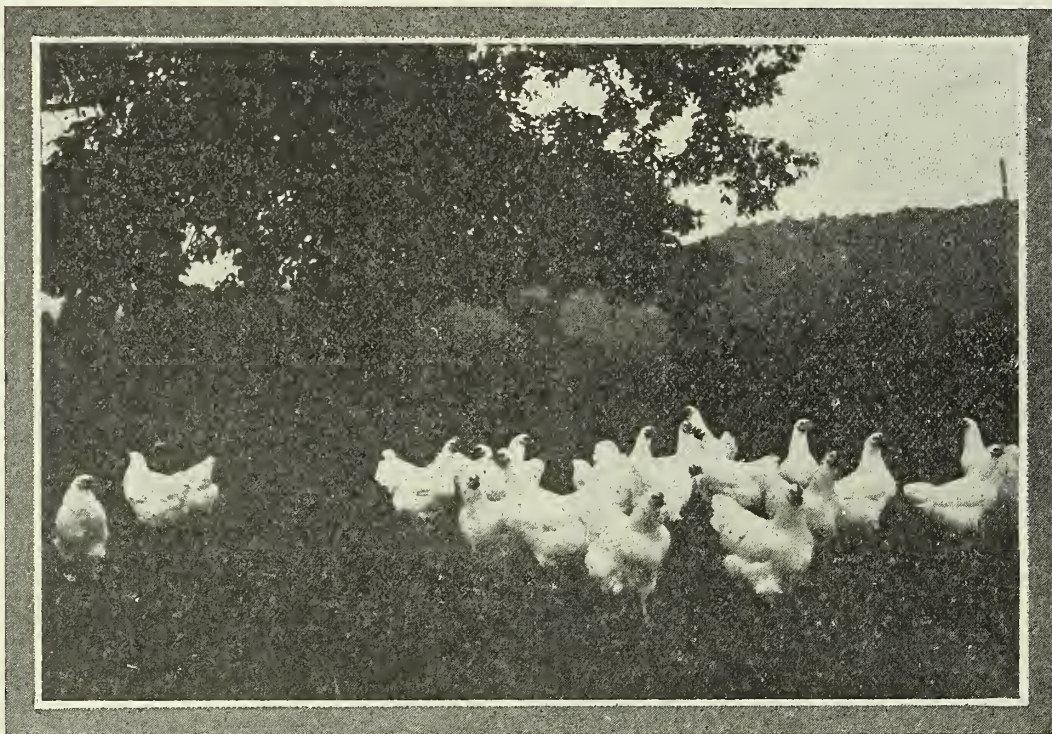
The one point I want to emphasize is to confine yourself to one breed. Nothing increases demand for a product like an attractive package with uniform contents and this applies as forcibly to a crate of chickens as it does to a box of apples, of strawberries or any product that is carefully selected and then packed in an attractive way. If you already have a flock, get some eggs of a standard variety and set your brooding hens with them, cull out your common stock and almost before you know it, you will have a uniform and standard flock that you can be proud of. Too many farmers and poultry raisers pay too little attention to feeding. Poultry are so accustomed to shift for themselves and on so many farms are compelled to get their living the best way they can from the scraps and refuse left by the other stock, that we are prone to let them do it and neglect them in a way that we would not think of doing with our cattle, sheep or our hogs. Give the birds plenty of grit, oyster shells or lime

in some other form and a little bone and charcoal. This with good grain, a few meat scraps now and then, and plenty of range, combined with clean quarters and clean drinking water, will get good returns anywhere, providing that ordinary intelligence is used in the selection of the fowls and the culling out of undesirable stock.

I confess that I am partial to the farmers' flocks, and I do not know of any other state in the Union where poultry is raised on the farm so easily and so successfully, with decent attention,

as they are right here in Virginia. Furthermore prices average as well in this section as in any other section I know of, and young broilers will bring an average of 20 to 30 per cent more on the markets of Roanoke than they will bring in cities of the same size throughout the Central West.

Another branch of the poultry industry that is now commanding attention is the raising of Guinea fowls. Within the past ten or fifteen years, the wild game fowls of America have been almost totally exterminated in many sections and greatly depleted in others. The big restaurants and hotels in large cities throughout the country that have heretofore been serving grouse, prairie chicken, partridge, quail and wild water fowl, have had their supply cut short and the most satisfactory substitute for these game birds has been found in our common barn-yard guinea fowl. They can be found to day in all the large hotels and fashionable restaurants of the big Northern and Western cities and are served at an average price of from \$1.00 to \$1.50 per plate which consists of half a bird. The market for these fowls is going to increase with each succeeding year and the farmer who establishes a small flock of them now is going to see the price increase gradually as time goes on. I believe that they should continue to pay as well as any other bird, and a market can be had for them by addressing any of the numerous Washington or Philadelphia houses to whom you are now shipping.



White Beauties, as Bred by the Norfolk & Western Experimental Farm

We have on our Norfolk & Western Experimental Farm in Eastern Virginia, two varieties of fowls. The White Leghorn and the White Plymouth Rock. Our only object in carrying the two varieties instead of one, is to give a better selection to parties who write us desiring to purchase eggs for breeding purposes.

I do not want to take up unnecessary space in this article on the general care of poultry, because that has been covered to so much better advantage in small bulletins and pamphlets which can be obtained by any farmer who desires this information. Write your Congressman or the Secretary of Agriculture, Mr. James Wilson, Washington, D. C., for farm bulletins

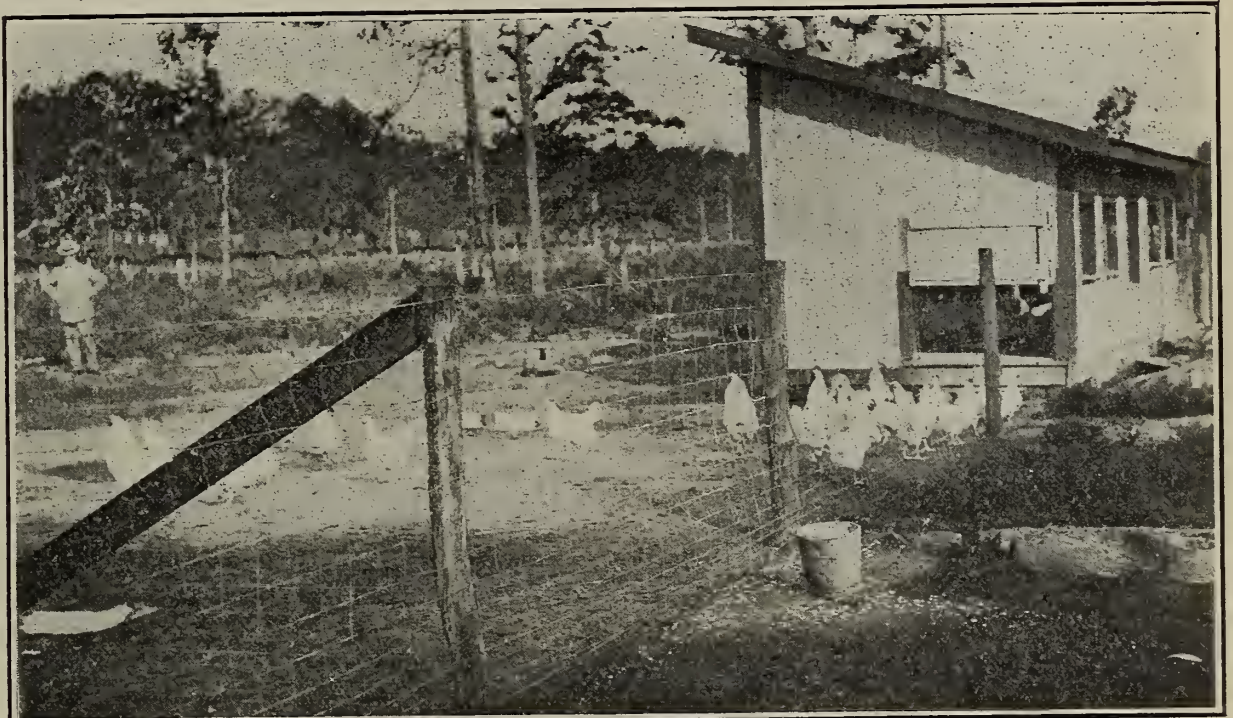
No. 41. Fowls—Care and Feeding.

No. 51. Standard Varieties of Chickens,

No. 141. Poultry Raising on the Farm.

These bulletins give some very excellent advice and cover the subject quite thoroughly in a brief way. Another bulletin, which is one of the best that I have seen recently, is issued by my friend Mr. John D. Mason of the Max Welton Poultry Farms at Gladys, Va. Mr. Mason is a gentleman who has made a wonderful success of poultry raising on a large scale and whatever he says in regard to this subject is always interesting and instructive. This bulletin has been prepared for distribution by our Commissioner of Agriculture, Hon. Geo. W. Koerner at Richmond, and a request addressed to him will secure a copy promptly. Do not fail to get these booklets if you are interested in poultry raising. Then subscribe for a

Eastern
Virginia
Scene,
Norfolk &
Western
Experimental
Farm



good poultry paper. There are a number of them in the field.

If further information along this line is desired, I would suggest that you write either to Mr. Mason or to the Manager of our Railway Experimental Farm, Mr. S. M. Geyer, at Ivor, who will be glad to contribute such information as he can give.

I do not wish to be misunderstood as opposed to incubators, brooders and other equipment which is absolutely necessary in the raising of poultry on a large scale, but have only wanted to emphasize the necessity of gaining experience with a small flock until you are equipped to increase your flock gradually and in this way insure continued success instead of discouragement and failure.

SOME RECENT TESTS

Experiment stations and poultrymen are constantly trying out mooted questions and adding to our stock of knowledge on poultry subjects. For instance early hatched chickens are found to grow more rapidly than the late hatched. As chicks grow old it takes more food to produce a pound of gain. Chicks forced at an early age do not grow so well as they come to maturity. With this there is not full agreement. More chicks die on wet mash than when fed with dry food. Forced moulting is condemned. Eggs produce the highest per centage of chicks in the early spring. A two-ounce egg is now regarded as the standard of size.—T.C.K.

THE JUDGING OF POULTRY

Written for The Industrious Hen:

The judging of poultry is practiced by scores of men, and in this profession, it is as in all others.

For some unaccountable reason, some Associations persist in employing cheap judges and in nine cases out of ten, the cheap judge is an incompetent judge, and should not be allowed to place the awards in any representative show.

It is due the exhibitor who prepares his birds and enters them in the show that the Association secure only the most competent judge to place the awards. It is also due the exhibitor that his birds be correctly judged, for when an exhibitor enters his birds it means the result of hard work and such an exhibitor is anxious to determine from his winnings just the value of the specimens he exhibits.

The evil that comes from wrong judging can hardly be estimated. First, the exhibitor who has the best bird is entitled to first place and if he does not get it, is greatly wronged and loses not only reputation but orders that would naturally follow a good winning. The customers who do buy from the fellow who has had first place presented to him by the judge, thinking he has the best, do not get the best. This chain of evil can hardly be estimated.

Of course we cannot expect any two judges to score a bird exactly the same, but a difference of a half point or a point does not matter so much, but to have a difference of three or three and a half points, as we have heard of, is entirely out of the question.

Judging is too often mere personal opinion and not a

thorough knowledge and application of the American Standard of Perfection.

Again, a judge to be thoroughly competent, should be a practical breeder and have a complete understanding of breeding and selecting the best birds as breeders.

To be thoroughly able to judge with fairness, the judge must have a full understanding and be thoroughly educated in his line.

Associations, secure the very best judges at any price. The price does not count when the reputation of your show is at stake. The breeders of experience well know that their birds have been wrongly judged and will not show with you again, and then the beginners, if they have the good birds and do not get right place, are discouraged and may quit the business.

Hold all your judges strictly to the mark; establish a reputation of employing only the very best and you will have no trouble in filling your shows with valuable entries.

Judges should be genial with exhibitors and willing at all times to give any information they can, for in this way mutual friendships are formed and untold good done for the poultry business. Exchange of ideas is one of the greatest educators in the business, and at our shows, if the exhibitor would spend more time in congenial conversation, exchanging ideas and experiences, much good could be accomplished for all concerned.

The poultry show is mainly for education of poultrymen and should be maintained as such.—FOUNT H. RION.



DEVOTED TO EVERY INTEREST OF THE

Poultryman, Live Stock Breeder and Small Farmer

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THE INDUSTRIOUS HEN is issued promptly on the first of each month. It furnishes the latest and most authoritative information obtainable on all matters relating to Poultry and kindred Industries. Contributions that are practical and pithy are solicited.

The Editor is not responsible and does not always endorse the opinions as expressed by his contributors.

Subscribers desiring a change in address will please give the old as well as the new postoffice.

ADVERTISING BILLS

Bills for advertising in THE INDUSTRIOUS HEN are due and payable the first of the month following the one in which the advertising appears. A discount of ten per cent will be allowed those who pay in advance. A discount of five per cent will be allowed if bills are paid within ten days from date of invoice.

ADVERTISING RATES

Furnished on application. The value of THE INDUSTRIOUS HEN as an advertising medium is unquestioned. The character of the advertisements now in its columns, and the number of them, tell the whole story. Circulation considered, it is the cheapest journal in the United States to advertise in. Advertisements, to insure insertion in the issue of any month, should reach this office

Not later than the 25th of the month preceding.

SPECIAL NOTICE TO SUBSCRIBERS

Your address on the wrapper indicates when your subscription expires. In order not to miss a number it should be renewed one month in advance. If, after your name appears the date "January 10," it means that your subscription is paid to January 1910, and unless renewed will be discontinued after that date.



If a large letter "X" is stamped in the panel at the left of this paragraph, it means that the time for which you paid your subscription has expired, and, unless renewed before the next issue, will be discontinued; therefore, if you do not want to miss THE INDUSTRIOUS HEN, YOU SHOULD RENEW AT ONCE. Do not fail to send us either 50 cents to pay for your subscription for another year, or \$1.00 to pay for the paper for the next three years. Better send \$1.00 and have the best and most helpful and practical poultry journal found in the world coming to you regularly every month for the next three years.

SAMPLE COPIES

If you receive a sample copy of THE INDUSTRIOUS HEN you are invited to subscribe for it. You may never get another copy, and if you like it, mail us 50 cents for one year, or \$1 and have it come to you for three years. Thousands are doing this now, and you will never regret it. In sending your subscription if you have a friend who would like to see a sample copy, send us their name and address, but send your own subscription RIGHT NOW. Do not put it off because you are busy, but DO IT NOW. Address THE INDUSTRIOUS HEN Co., Knoxville, Tenn..

EDITORIAL PARAGRAPHS

MRS. FORBES AS VICE PRESIDENT

MRS. FLORENCE FORBES, of New Decatur, Ala., has been elected Vice President of the Tri-State Fair Association. We congratulate the Association on its wise choice. Mrs. Forbes is among the best known poultry women of the South and her selection is sure to add strength to the Tri-State organization.

TRI-STATE POULTRY SHOW

We have before us the premium list of the first annual show of the Tri-State Poultry Association which takes place at Memphis, Tenn., at the Tri-State Fair from September 28th to October 9th, 1909. Over \$3,000 in prizes are offered. We hope many of our readers may come out as successful winners. For full information address R. C. Stockton, Supt., 10 North Second Street, Memphis, Tenn.

GET READY FOR THE SHOW

If you sell fine stock it should be backed up by a premium from some show and the bigger the better. And don't wait till the time is at hand before beginning to groom your birds for the ordeal. They should be selected months ahead and fed and trained. Study the American Standard of Perfection and all local requirements so as to have every point just right. Accurate information in this respect will help much in meeting the requirements and winning success.

CONCERNING OURSELVES

ON account of sickness Mr. L. B. Audigier has not been able to attend to his duties in connection with THE INDUSTRIOUS HEN for some time. Our readers have no doubt noticed that this and the preceding issue were not quite up to the standard in several particulars and we confidently believe that our friends will accept the above explanation as a sufficient excuse for any shortcomings that may be noticed in THE HEN's makeup during Mr. Audigier's absence.

FARMER'S HEALTH

Farmers should be the healthiest people in the world. Pure air and pure water are all around them and if they fail to get them it is their own fault. The necessity of their occupation gives them wholesome exercise. They have the best things to eat, with only a little care in the raising and the cooking. They have no corroding care or strenuous business. They come and go at will. There is no worry with the formalities and conventionalities of fashionable life. The farmer's life is one of ideal simplicity, or should be so, and none is more enjoyable.—T.C.K.

MONEY IN CAPONS

Why do farmers not raise capons? It is not hard to do. Caponizing tools cost only \$1.50 to \$2.00. The operation takes but little time and the art of it is easily learned. The flesh of capons is juicy and sweet like that of spring chickens.

Capons bring about 5 cents more by the pound than common poultry. The cost of raising is but little more. Hatch double the number of capons desired, for half the hatch will be pullets which can be kept for layers. Capons grow larger than ordinary cockerels. A flock of 400 capons have been known to give a clear profit of \$400.—T.C.K.

POULTRY LITERATURE

After you have read poultry journals and books for a good while new ideas seem to get scarcer and scarcer. There is a great deal of repetition and rearranging of the same thought. If we were seeking only to gratify a literary taste, this might all become tiresome. But this is not the case. It is necessary for the poultry writer to repeat himself time and again. He is always having new readers to whom elementary principles must be given out anew. It is also necessary to repeat again to old readers, who just will always be forgetting. Instruction and helpfulness are the object rather than literary art or literary enjoyment. Every time the old fact comes up again we get a little stronger grasp of it and appreciate it more fully. And thus our professional stock of working knowledge becomes more complete and more useful to us.—T.C.K.

POULTRY REGION

East Tennessee is by nature and situation one of the best poultry regions in the world. The climate is mild and requires no expensive housing or winter labor. Green food is abundant all the year around. Grain and other poultry feed are grown. The home market and the distant market are both good. The shipping facilities are excellent, and many large cities are within easy reach. A large poultry business is already done. Last year from Morristown were shipped about two hundred and twenty-five carloads of eggs weighing about five million pounds. Through trains go to Washington, Baltimore, Philadelphia, and New York. Twenty seven solid car-loads of turkeys alone go out of Morristown in one train and twenty-two cars of eggs.

* * * *

MOULTING

It is about time for fowls to put on a ragged appearance and feathers are seen scattered around the premises. The moulting season has begun. This is the tedious, trying period of the year. Egg production comes nearly to a stand-still and the grower cannot count on a resumption of profits much before November, if then.

The sooner a hen gets through moulting the better for egg production next winter, for some late moulters do not lay again till the following spring. Some owners try to hasten the process, but outside of good care and management, it seems better to let nature have her own way.

Hens do not all moult the same length of time or with uniformity in different seasons. Those that begin early are the ones to end early and begin laying before winter sets in. The system is depressed during the moulting period and more susceptible to attack from disease. The fowls should be carefully protected from the weather on rainy days. They should have plenty of green food. A little sulphur may be mixed with their wet food and enough Epsom salts dropped into the water to make it taste.—T.C.K.

* * * *

POULTRY AS A BUSINESS

Never in its history has the poultry business promised so much as at present. There is money in it and many are making it pay. At the same time we are aware that not all is gold that glitters and that many disappointments occur among those who have taken up poultry with high hopes.

The poultry business is a peculiar one. It lacks great proportions. There are good and well-to-do people in the poultry business but not one of them ever made a million at it. It is said one man got rich at it, but we never did learn his name.

The peculiarity about the poultry business is that it just suits to work at by yourself. When you begin to hire hands to run it the profits disappear unless you are very skillful in directing labor. Yet it seems to everybody to be an easy business. A woman or a child can run it in a small way. And strange to say when a man fails in everything else, he thinks he can make a fortune with chickens.

To succeed at poultry you must like it. You must take an interest in hens. You must not be afraid to be called "a chicken crank." You must go in to learn all the good points and necessary points about the business—how to breed, how to feed, how to classify and sell products, how to satisfy the whims of customers.

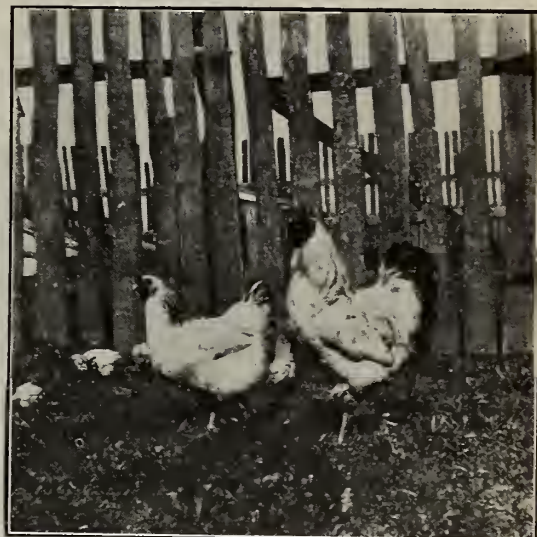
Fresh eggs are a big thing in big cities. They are what bring in the money. A man and his wife with an egg farm of White Leghorns may make \$2,000 a year off 2,000 hens and not kill themselves at work either, but they must do it exactly right.—T.C.K.

QUESTIONS AND ANSWERS

Has any one ever used wheat bran as a litter in their brooder for young chicks, and is it a good substitute for alfalfa or other litter?—L.K.H. Tenn. Do not use wheat bran as litter in your brooder for young chicks. They are liable to fill up on the bran and get packed so tight that they die. Use sand if possible; good clean earth next. You may use the bran when the chicks are over a month old.—Ed.—Which is the best bird for all around use, the Barred Rock, Rhode Island Red, the White Wyandotte or the White Orpington? Will I get a good hatch by keeping all young male birds?—G.C.M., Tenn. Any one of the breeds you name is good for all around use; the one for you to choose is a matter of taste. Take the one you like best. A male to every ten or twelve females should give you fertile eggs. Males over a year and under two years of age will give you the best results.—Ed.—I am

new in the chicken business, have a limited amount of space, and will have to build a suitable place to house; also place for laying. Please give me an idea of house, also feed through winter months.—F.K.H., Tenn. For small flock of fowls on a city lot, say 12 females and one male, a good house will be one 8x8 feet, 7 feet high in front, 4 feet high in the back, closed on both sides and in the back, boarded up in the front one foot from the ground and one foot down from the top, the remaining five feet to be left open and covered with inch mesh poultry wire. Have a sand or gravel floor, raised 4 to 6 inches above the surrounding soil; put in four posts 18 inches high to hold dropping board; on the dropping board place roosts resting on inch blocks 6 inches high, far the posts near the top to keep lice off. Along the side wall or under dropping board place nests. Let your house face south, southeast or east, to get the morning sun; have door in the end away from the rain. Arranged in this way you can use the entire floor space for a scratching shed. Feed in litter 6 to 8 inches deep, leaves, hay or straw. Any of the prepared hen foods are good feed; you will find a number advertised in THE HEN. If you prefer to buy grain, use oats, corn, wheat, kaffir corn, millet, sorghum seed and beef scrap. If you feed in litter twice a day will be often enough. Whole grain in the morning and a mixture of them all at night. Change the kind of grain used at the morning feed each day. If you choose, a hopper of dry bran can be left before the birds all the time. Have charcoal, grit and oyster shell in hoppers before them all the time. Be sure to give plenty of green food every day and plenty of fresh clean water. If you wish to use table scraps, give grain in the morning, and in the afternoon, table scraps mixed with corn meal and bran, fed in troughs, mixed as stiff as possible; remove what is left when fowls go to roost. If not an early riser, scatter a handful of grain in the litter for the fowls in

Columbian
Wyandottes
as
Bred by
John W. Wall,
McKenzie,
Tenn.



the early morning. Finally, look out for lice; dust fowls with a good lice powder whether you see any lice or not.—Ed.—Does it pay to line a poultry house with tar paper? Will it keep lice out from underneath it, or have a tendency to keep lice out of the house?—J.P.W., Ind. Yes, I have used tar paper for lining poultry houses and believe it helps to keep the lice out. I have not found that lice stay underneath tar paper and would advise you to use it in your house. You must however fight lice just as vigorously as though you had not used the paper.—Ed.—How do you distinguish the cock from the Guinea hen?—W.D.H., Ala. A Guinea cock has a longer spike on top of his head; his neck is of a bluer tint than the female; he also has a different voice, which you can learn to distinguish by observation.—Ed. Which is the better layer, the White or Brown Leghorns?—H. L. S., Tenn. As layers, we know of no difference between White and Brown Leghorns. We have raised both kinds; each laid as many eggs as the other. If you can get fowls from some one who has been breeding for eggs systematically for years those birds will probably lay more eggs than the average Leghorn of either color. As a matter of fact the color has nothing to do with a hen's laying.—Ed.

For food purposes, chicken is eaten at various ages. The very young chicken—about eight ounces in weight—is known as squab broiler—and when one and a quarter to two pounds in weight, when dressed, they are classified as broilers.

Tennessee State Fair Poultry Show, Nashville,
Sept. 20-25. Jno. A. Murkin, Supt.

THE HOLSTEIN-FRIESIAN COW

By President Ashley S. Johnson, of Johnson Bible College
Kimberlin Heights, Tennessee

THE INDUSTRIOUS HEN has invited me to write an article on my favorite animal, the Holstein-Friesian cow. I do this for many reasons with much pleasure, but particularly because this animal, magnificent in appearance, and great in possibilities is entitled to a better introduction, and better recognition in the South.

I first became interested in this breed in the days when the University of Tennessee owned and experimented with a herd. I became more fully acquainted by inspecting the splendid Canadian herds at the Toronto Industrial Exhibition. The Canadian breeders have the best strains and they know how to handle them for show and for profit.

I discarded thorough-bred Jerseys for the Holsteins in 1902, and although I make no criticism on the former, I will say that for our purpose the change has been eminently satisfactory. The cows are big, hardy, hearty, and they make milk out of what you feed them. Good milk and plenty of it.

This breed, which as milk producers and butter producers and cheese producers, is forging to the front everywhere, originated in Holland. They are held in highest esteem in their native country. The following story is told illustrating the love of the Dutchman for his cow:

One neighbor met another and the following conversation ensued:

"I am going to see my neighbor A. this morning on a very sad mission."

"What is the trouble?"

"His Holstein cow is dead."

"Indeed, that is a great calamity; how are you going to break the news to him?"

"I will prepare him for the shock by telling him his father is dead, and when he recovers, I will gently break the news that it is his cow, not his father!"

The Holstein cow has been the family friend and domestic pet of the Hollander for twenty centuries. The family cow lives in the kitchen, but with them it is by no means an unclean

or disagreeable practice. This cow has the choicest of food. She is scrubbed every day with soap and water. Her coat is brushed and groomed every day, and the children, far from being afraid of her, treat her with caresses.

The result of this treatment is apparent in the general character not only of the native Holstein of Holland, but in all of her descendants everywhere. She is larger, stronger, healthier and longer-lived than any other cow on the face of the earth. She weighs from two to four hundred pounds more than a Jersey. She is handsome, attractive, beautiful. If you go into the pasture where she is feeding, she will be friendly. She is gentle, tractable, and never worries. She is a business cow from the first day she gives milk to the day of her death. The cows are strong. The calves are strong, they grow rapidly from the start and show response in pleasure and profit for all the care and feed they get. We have found the breed extremely healthy. They scarcely ever get sick, and yield easily to simple remedies.

The "big black and whites" are very beautiful to look upon. The first impulse on seeing a herd would lead one to think that they are all marked exactly alike, but on closer inspection the mistake is apparent. No two are alike in markings, but in disposition, in general characteristics, in productiveness, and in profitableness, they are much alike.

The highest authorities on Holstein breeding and milk claim, and I believe with a degree of certainty growing out

of test and observation, that Holstein milk is better for babies than the milk produced by any other breed. This stamps the character of the breed, the individual cow, the milk.

The first Holstein cattle were introduced into New England over twenty-five years ago. Like everything else new, they made slow progress at first. Other breeders were slow to take hold. But merit wins. All a Holstein cow asks of any man or any place is a chance. Feed her, put her milk to the test. Time, the great conqueror, brought her to the front. Other importations followed. Her size, her milk producing powers, her good disposition, her good health, her progeny, made a place for her; and throughout New England, the Middle West, the Northwest and in Canada, she is in evidence everywhere you go. She has, I think, done quite as well in the New World as in her native land. I have a recent picture of some cows in Holland and they do not surpass in appearance many which I have seen in the United States and Canada.

As the various herds developed, the breeders found it necessary to organize, which was done and headquarters established at Brattleboro, Vermont. The Holstein-Friesian Association of America is the corporate name. This Association has twenty-one hundred members in the United States. Canada has a separate association. There are in the United States forty thousand owners of Holstein cattle. It is the business of the Association to keep track of all these cattle. This of course involves a record of date of birth, pedigree, etc.

Holstein cows in the United States have made phenomenal

records. I mention a few below. Let it be remembered that these tests are official and can be absolutely relied upon.

There are eight cows of this breed with records of 30 pounds of butter or better, in 7 days, and Mr. D. W. Field of Massachusetts, owns four of them which average 31.98 pounds of butter in 7 days.

There are only nine cows in the world with 30-day records above 121 pounds. Mr. D. W. Field owns five of them, all Holsteins.

The following are some of the prices paid by Mr. Field and the records of the animals:

PONTIAC RAG APPLE, 1446, A. R.

O., for which \$8,000 was paid, the highest price ever paid for an A. R. O. cow. Her record is 31.62 pounds butter at 4 years and 8 months and 13 days old, from 619.5 pounds of milk in 7 days; 126.557 pounds of butter in 30 days, from 2,574.6 pounds of milk. She is the champion butter cow of the breed at 4 years, 8 months, 1 day.

YBMA 3D'S PLEDGE CLOTHILDE, 2791, A. R. O. \$6,000 paid for this cow by Mr. Field. She has a record of 30.377 pounds of butter in 7 days, from 643.9 pounds of milk; and 121.341 pounds of butter in 30 days, from 2,629.3 pounds of milk. This record was made when in her seven year old form.

AAGGIE CORNUCOPIA PAULINE, 48,426, for which \$5,700 was paid. She is the champion butter cow of the breed from 1904 to 1907. Her record is 34.32 pounds of butter in 7 days, from 659.2 pounds of milk and 137.60 pounds of butter in 30 days from 2,640 pounds of milk, made in her four year old form.

SADIE VALE CONCORDIA, 32259, is another great cow for which a long price was paid, but has not been made public. She is a dam of two A. R. O. daughters, A. R. O. record, 30.63 pounds of butter in 7 days, 123.7 pounds of butter in 30 days.

Here are some additional official records:

COLANTHA 4TH'S JOHANNA, 1849, A. R. O., has the following to her credit. Seven-days, 651.7 pounds of



Thoroughbred Holsteins, Johnson Bible College,
Kimberlin Heights, Tenn.

milk, 28.176 pounds fat; thirty-day, 2,873.6 pounds of milk, 110.825 pounds of fat; sixty-day, 5,326.7 pounds of milk, 208.398 pounds of fat; seven-day record begun not less than eight months after calving (339), 478.6 pounds of milk, 17.276 pounds of fat. Semi-official Yearly Record: 365-day, 27,432.5 pounds of milk, 998.26 pounds of fat.

PIETJE 22d, 4727, A.R.O.: Seven-day, 673.9 pounds of milk, 25.295 pounds of fat; thirty-day, 2,776.4 pounds of milk, 102.700 pounds of fat; sixty-day, 4,706.8 pounds of milk, 164.659 pounds of fat; 120-day, 9,287.5 pounds milk, 316,300 pounds of fat; 1821-2 days (six months), 13,673.9 pounds of milk, 453.345 pounds of fat.

For the benefit of those who wish to pursue the matter further I submit a table showing the results of official tests of twenty-five of the leading cows of the breed.

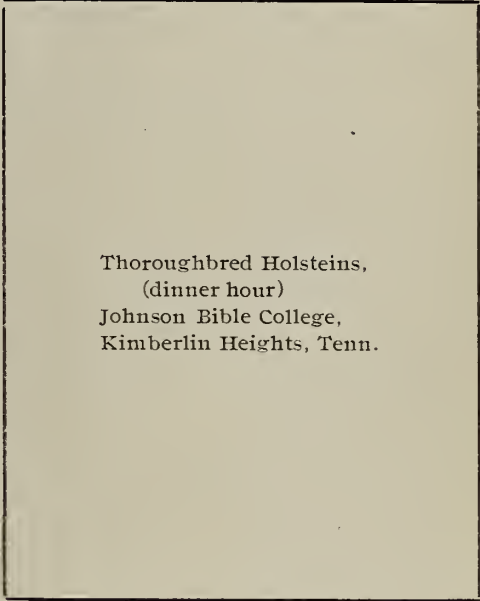
Referring to the herd owned by this institution I would say it has not been advertised or exploited to any great extent for the reason we are out of the "Holstein belt" where the breed is an unknown quantity, and we have been content to breed and keep, rather than to breed and sell them. All told, we have about sixty head. Our herd is headed by Sir Johanna DeKol Lad, grandson of Sarcastic Lad, one of the greatest bulls of the breed and champion Holstein bull of the breed at the World's Fair at St. Louis. Henry Stevens of New York, of whom I bought this bull, ex-President of the Holstein-Friesian Association of America, says: "That not one bull in five thousand is as well bred in all lines as he." Our young bull also came

The Holstein cow, the milk and butter machine that she is, is but little known and recognized in the South. However her day is coming beyond a doubt. Therefore my advice to the young farmer is by all means to invest some money in thoroughbred Holsteins. I know they are in a sense unpopular because they are unknown. Start now, the day of the Holstein will come, and when it does it will justify the man who has a big herd on hand. In the meantime they will pay you a splendid profit on all you invest in them, and multiply in a manner that will thoroughly surprise you. The cost of a herd of thoroughbreds is only the original cost. It costs more to feed a scrub cow and get anything out of her than it does a thoroughbred, and, who in this day of railroads, electric lights and flying machines wants an old white-faced-sassafras-patch-cow?

In the inaugural letter sent out July 1st, 1909, by President-elect Chas. W. Wood of Worcester, Mass., he gives us the following splendid vision of the work of the Holstein breeder in America:

"I congratulate the Association upon the great progress that has been made during the past year in relation to the increase of our membership, and the strength of our financial condition. It is also a matter of great gratification that the popularity of our breed of cattle has so completely outstripped that of every other, and that the demand for them at the present time is far beyond that of supply.

We have a stupendous and lofty mission to perform. To walk hand in hand with scientific discovery, to aid in the



Thoroughbred Holsteins,
(dinner hour)
Johnson Bible College,
Kimberlin Heights, Tenn.

from New York. His name is Pontiac Hengerveld Korndyke. His name stamps his breeding and character, and will be recognized by any one who is versed in Holstein lore. Our

Name and A. R. No. of Cow	H.B. No.	Age at time of Calving	Lbs. of Milk	Av. Per Cent	Lbs. of But-ter Fat
Colantha 4th's Johanna.....1849	48577	8 1 19	2,873.6	3.86	110.833
Aaggie Cornucopia Pauline.....1933	48426	4 11 4	2,640.3	4.17	110.093
Pietje 22d.....4727	70884	7 7 18	2,776.4	3.70	102.700
Pontiac Rag Apple.....3446	56980	4 8 13	2,574.6	3.93	101.246
Jessie Maida1686	48805	8 9 11	2,677.3	3.77	100.987
Segis Aaggie De Kol Beets.....4475	57416	8 9 2	2,617.4	3.83	100.215
Sadie Vale Concordia.....1124	32259	10 2 24	2,752.6	3.59	98.937
Vander Lei Superb 2d.....4313	76137	11 2 15	2,852.6	3.42	97.389
Ybma 3d's Pledge Clothilde.....2791	51890	7 6 8	2,629.3	3.69	97.073
Duchess Piebe De Kol.....2353	52348	7 4 29	2,518.5	3.83	96.469
Alcartra Polkadot.....1988	50798	6 11 13	2,605.0	3.69	96.130
Grace Fayne 2d's Homestead.....4422	68828	4 0 13	2,334.2	4.09	95.376
A. & G. Inka McKinley3178	55163	6 5 13	2,685.0	3.52	94.613
Daisy Sindt Mechthilde2860	53283	7 1 24	2,508.1	3.74	93.896
Blanche Lyons De Kol.....4571	60549	5 1 4	2,632.4	3.56	93.825
Pontiac Calypso.....3428	61100	5 2 24	2,393.4	3.86	93.336
Pontiac Lunde Hengerveld.....3668	51585	5 0 4	2,405.2	3.82	91.857
Aaggie Topsy De Kol.....2310	54997	5 10 28	2,200.8	4.14	91.169
Mercena 2d.....2607	62122	5 4 24	2,329.5	3.89	90.666
May Hartog Pauline De Kol.....1656	45124	4 11 8	2,552.5	3.51	89.637
Winnie Wartena Netherland.....2931	37630	10 7 7	2,331.0	3.81	88.709
Lady Ormsby3714	64352	5 2 4	1,935.0	4.51	87.380
Fay Hengerveld De Kol.....4965	60552	5 5 0	2,178.1	4.01	87.243
Beauty Pietertje4144	53334	5 4 1	2,649.1	3.29	87.025
White Daisy Pietertje.....6642	41826	10 7 17	2,410.8	3.57	86.044

cows trace back—not far however—to imported stock. Our cows have the general characteristics of the breed; and are a constant source of pleasure and profit.

promulgation of facts enabling the world to know what constitutes good, healthy milk—how important this nutrient is to the physical welfare of mankind; how and where it is produced; and how it may be obtained. In the face of bitter opposition all over this continent, the Holstein breed of cattle has sturdily, steadily and rapidly advanced in achievement, and its intrinsic excellencies have become so manifest that the time now is when no man of ordinary intelligence, and a pretense to honesty, hesitates to recognize the Holstein cow as the Queen of the Dairy, possessed of every essential qualification to place her upon the pedestal of popularity, so far above all others of her kind as to make comparisons odious.

I trust and believe before the year we are now entering upon expires, the words 'Excelsior' and 'Holstein' will become, if they are not already, synonymous terms. One more suggestion I have to make: I recommend that every member of the Association apply to the Secretary for a stamp or electrotpe bearing the trademark of the Association and that he use it upon every letter that goes into the mail, that in every part of the world, before the eyes of millions upon millions, there shall constantly and continually appear the words 'Holstein Milk—Health, Vitality, Nutrition'—words that no other producers can collectively, legally or consistently apply in such connection."

If this article should catch the eye of any Holstein breeder south of the "Mason and Dixon Line," I should be glad to hear from him. I am a little lonesome—except when the cows are around.

RANDOM THOUGHTS

Written for the Industrious Hen.

Did you know that poultry culture isn't considered in the light that it should be? Some elaim that it is nothing but a woman's work, while others claim there is no money in the occupation. Still others elaim that their is too much work, fuss and worry attached to it. I elaim that a person can equip a very good paying plant on \$500. (provided he already has his farm) and one that is judiciously handled, will return for capital invested more profit than any other calling in life. Eggs are selling (July 5th) all the way from 16 to 22 cents per dozen, chickens from 20 to 40 cents, according to size, and small size too. Who couldn't prosper on such a business?

The feeding of poultry isn't so complicated as some might have you think; feed enough, of one variety, keep this up from day to day and you can't help but succeed. No person who allows himself to shift his feeding methods from one writer's ideas to those of another, will prosper. Adopt some practieal poultryman's methods, and if they prove satisfactory to you, keep them until you are competent to safely handle another. When you do make the change, do it by degrees.

Study the actions of your poultry; you can learn as much in this way as you could at a poultry school, provided you have several good poultry journals to guide you. No man can successfully raise poultry without these. Your poultry houses and runs need not be too costly, but they do need to be roomy, dry, light, well covered and kept clean. I find the best remedy in poultry ailments is a light dose of liver medicine, no food for one or more meals and the bird placed in a dry coop to rest for several days.

Don't forget the meal of fresh tender grass that is due those growing chicks and old fowls twice a day.—J. A. THORNHILL, New Decatur, Ala.

THE COLOR PROBLEM

Written for The Industrious Hen:

So much attention has been given to the color question that I fear we lose sight of other important things. There are extremes in all things, and the color of fowls, and especially the undercolor, has had its share of late.

Take Barred Plymouth Rocks for instance. They are required to be barred to the bone, or rather to the skin. If we show Barred Rocks at a leading show we must have them barred clear to the skin or they stand no chance to win at all. Many a time we have seen a little scrubby bird win over a good big one just because the smaller bird was barred to the skin. We have likewise seen an ill shaped bird win over a good shaped one just because the poorer shaped bird was "barred to the skin." This barring to the skin has done Barred Rocks more harm of late years than any thing else. This thing of going crazy over undercolor is all bosh. What does undercolor amount to anyway? It is not in the undercolor that the real beauty lies at all. In fact you cannot see the undercolor unless you handle the bird. Undercolor may be all right but I am of the opinion that if more attention were paid to surface color, and not so much to undercolor, we would be much better off. There are many fowls used for breeding purposes today just because they are well barred. There are many fowls used today that are wonderfully well barred to the skin; but what about their surface color? There's where the pinch comes. This barring to the skin is ruining the surface color. It seems to me that we don't see that nice, soft, blue shade that was so beautiful, as we used to see it before breeders went crazy on undercolor.

When a man goes to look at a house he don't go to the cellar first. The outside of the house has much to do with its beauty. So has the outside of a fowl much to do with its beauty. Get your surface color first, then go after the undercolor. Barring to the skin is also hurting the shape. Many fowls are used for breeding each year that are not the shape of the breed at all. Why are they used? Simply because they are barred to the skin. This cannot help but interfere with the shape if followed up any length of time. Barred Rocks are not the only variety that suffers from the color craze. White Rocks are another example. I believe I may say with safety that all white varieties suffer from the same thing. People are trying to have them chalk white, quill and all, free from all creaminess and in order to have them this way breeders are using birds very defective in other sections, just because they are "chalk white." Many of these "dead white" birds tend to have pale legs, in many cases being almost white. Of course the big guns will try to make you think that this is nonsense, but it is true; yes, too true. I don't say it is impossible to get pure white birds

with yellow legs, for I have had such birds myself, but I do say that these birds that are a little creamy in color always have much better legs than the "chalk white" birds do. They also have better lobes.

Now, in conclusion, I want to say to you not to forget color. It is important. But on the other hand, don't neglect shape and other valuable qualities and give all your attention to color, as some breeders seem to be doing at this time. What value is a bird if it has no vitality, even if it has barring to the bone? Of how much value is a Plymouth Rock, no matter how fine in color, if it is not typical of the breed? Not much, I tell you. Still there are many such birds raised and bred from, just because they are fine in color. We should strive to improve our fowls in all sections, but we should not get "color crazy." Let us give undercolor a rest, and try improving our birds in shape and vitality as well.—PLUMMER McCULLOUGH, Mercer, Pa.

SOUTH CENTRAL BRANCH OFFICERS

Following are the officers of the South Central Branch for the coming term:

Jno. A. Murkin, President.

Jas. P. Kerr, Vice President.

L. B. Audigier, Secretary-Treasurer.

C. Fred Ward, F. J. Marshall, C. W. Fowler, N. V. Fogg, J. T. Davis, Executive Committee.

ITEMS OF INTEREST

While still young, but full grown, the chicken is best suited for food. As it grows old, the flesh loses its flavor and increases in toughness.

Here and in Europe, poultry consists of chickens, turkeys, ducks, Guinea fowls, pigeons—and sometimes peafowls, pheasants, quail and swans.

There is no legal limit fixing the division of chickens into different classes with respect to age, the only criterion being the price and taste of the consumer.

If you want to become thoroughly successful in poultry raising, commence at the bottom of the ladder, and don't make your first venture at a dizzy height, that poultry height, that poultrymen with years of experience have not yet attained.

The eggs should be gathered daily and marketed twice a week. The life of the fresh egg is three days. One bad egg may lose a valuable customer; send all "doubtful" eggs to your own kitchen. Each day date the eggs laid so that the age can be guaranteed.

Pure cottonseed meal is made by grinding the seed after the white down, which remains upon the seed as it comes from the cotton gin, and the hard hulls, have been removed. Thus prepared cottonseed meal may carry from forty to fifty-three per cent. of protein.

Good mottoes to remember: The time for culling is always at hand. Avoid filth and encourage neatness. The flock should consist of well bred fowls. Too much care cannot be exercised in selection. A natural love for anything is a great influence towards success.

The incision in a drawn fowl readily admits molds and germs of different kinds to the body, where they find ideal conditions for rapid multiplication. The cavity is dark, damp, and not easily accessible, and frequently a drawn bird which outwardly appears all right, is really unfit for food.

There is a profit in raising Guineas. Their eggs are as good as hens' eggs, and their flesh has the flavor of wild fowl and is popular with epicures. They are no harder to raise than turkeys, and will glean a living from orchards and fields. The White Guineas are preferred, as they are peaceable and more domestic in their habits than the Pearl variety.

At one time there seemed to be a move compelling poultrymen to draw all fowls dressed for market. From the start it appealed to us as a dangerous act, and it is gratifying to know that experiments have since proved that it is a very unwise act. Opening the body and removing the viscera undoubtedly exposes the internal surface to the air, which always contains micro-organisms, and thus invites decomposition.

Tennessee State Fair Poultry Show, Nashville, Sept. 20-25. Jno. A. Murkin, Supt.

POULTRY ON THE FARM


 WRITTEN FOR THE INDUSTRIOUS HEN
BY AN OLD FARMER

POULTRY PICKINGS

It goes without saying that every farmer should keep enough poultry to supply his own needs. Further than that it depends upon his convenience to market.

Always begin the poultry business on a small scale and increase the investment as demand and profit increase. Doing must go hand in hand with knowing how.

Lice is one of the worst troubles in the poultry business. Every poultryman will tell you this. Use insect powder freely, but cleanliness must be maintained at the same time.

Too much shade is not good for poultry, but some is always necessary during the hot summer months. Low shrubbery or something like a plum thicket affords an excellent retreat.

Don't locate your poultry on wet clay soil or pure sand. Sandy loam well provided with humus is best. It must produce grass for green food and be sufficiently porous for good drainage.

While not building your poultry house in the woods, the latter is an excellent scratching ground for your birds if situated conveniently near. It gives them much protein food in the form of bugs and worms.

If possible have your poultry yard slope to the south, and don't locate it in the woods where there is too much shade and dampness and where droppings can not be used to advantage in the production of green food.

WHAT GRANDMA SAYS

By keeping your chicks on short grass you not only prevent drabbling but give them a good nip of juicy, tender, green food.

Get ready for the moulting season. Sell off all hens over two years unless they are especially fine for breeding purposes.

Do you have scaly legs? It is caused by a mite and may be cured by a salve composed of two parts coal oil and one part lard.

If your pullets do not lay well this year that is enough. You need expect nothing better next year, for the first is their best season.

Keep the chicks out of wet grass. In fact they should not be allowed to run in any grass, unless it is clipped very short, until they get large and strong.

It is important to set none but fertile eggs. You will find it a dead loss to have a hen spend the incubation period wrestling with eggs that won't hatch.

If you get any profit out of chickens you must control disease and keep the birds healthy. The great drawback to the business is the loss of so many chicks by disease.

Poor success with poultry on the farm comes from poor management, but this does not signify that every farmer has to become an expert fancier. A medium ground is all right.

CHICKLETS

Don't feed little chicks until forty-eight hours old or more. This is an old story but an important one.

In fine weather turn the chicks out on a short grass run. If they wander too much scatter bran for them to pick.

Give no wet foods. Keep the feed well balanced so nourishment will be complete in every part. Green food must not be neglected.

Never feed anything musty, or rotten. Give a variety of foods. Let home foods have the preference. Feed on clean boards or hard ground.

The feeding problem has never been fully solved. No two poultrymen feed exactly alike. Study, observation, and practical experience bring success.

Feed granulated wood charcoal for indigestion. Keep fresh water present always. Scatter cracked grain in light chaff or straw for scratching exercise.

First give fresh water and grit. Then feed what the chick can pick up in five minutes. Feed five times a day. In two weeks reduce to four times, and soon to three.

FARM NOTES

Keep all coops and poultry houses nicely cleaned up this hot weather. It is the only way to keep farm flocks in good health and vigor.

The farm should be kept free of the gape parasite. Read up a full account of the disease in your poultry books and learn how to banish it.

Be careful about ventilation these hot nights. Have openings at each end near the roof as well as near the ground to give free circulation of air.

Women are better fitted than men to care for farm poultry and should have supreme control, but with the assistance of men to do the hard work.

When the vegetables are well grown and not likely to be damaged drive your poultry through the garden and let them devour the insects and worms they can find.

The average farmer may not carry out all the arts of the fancier, but he can do good, practical work in poultry and should not be content to slur over anything.

Don't fail next winter to take the short course in poultry at your State Agricultural College. The expense will be small and the instruction and experience valuable.

SUMMER CARE

Don't neglect your hens in summer because the weather is warm and you think possibly they can take care of themselves. No doubt they can live, but without much profit to the owner. Hens must be pushed in summer as well as in spring and winter, if we make them a paying proposition.

The ordinary poultryman takes it for granted that eggs don't bring enough in summer to pay for looking after them. Hence he lets the hens go on a vacation and waits for the winter campaign. Even if there is anything in this idea at all, it does not apply this year, for eggs have brought an unusually high price all summer.

Of all seasons summer is the time to keep the roosting and nesting places in good order and clean. The houses should have plenty of openings for the entrance of pure air during the hot weather. It is important also to guard against lice by having good places for dust bath and by spraying the perches once a week, or as often as may be necessary, with coal oil. We must also provide convenient shade to protect the birds from exposure to the broiling sun. There is no time when more vigilance is necessary to keep poultry in proper working order and on a paying basis. —T.C.K.

WISE WORDS BY UNCLE BEN

The fancier gets the credit of practicing art for art's sake and yet he often keeps an eye on the money there is in it.

Poultry can't be managed like animals. You may punish your horse or your dog but you must love your birds into having them do what you want.

Young ducks can stand drabbling but as soon as they grow up to good size they give much trouble by wandering down stream and getting lost.

It is the man who gets down to details that wins in the poultry game. It is hardly possible to sit in an office and run business successfully by telephone.

To be successful the hen must be kept cheerful and happy, and the way to do this is to keep her busy. Give her plenty of scratching room by all means.

What is a good hen? One that lays 150 eggs a year is good. One that lays 200 is among the very best. The average farm hen probably lays 100 eggs a year.

The egg is the only food that the ingenuity of man has not been able to adulterate. Nor has he succeeded in cheapening the product by having it laid without a shell on it.

Time is money. It sometimes pays better to sell your entire output to the wholesale man rather than consume time peddling it out to Tom, Dick and Harry, and worry with collections.

TURKEY TALK

Address all Inquiries to
MRS. J. C. SHOFNER, MULBERRY, TENN.

Turkeys

It is not uncommon to receive numerous letters from farmers all over the country at this time of the year stating they are unable to obtain eggs early in the spring, and in consequence, wish to place their orders early for breeding stock.

Now and then you will run across that individual that says, "It is impossible to raise turkeys and there is no use in trying." Put him down as a calamity howler, for that is what such fellows are, pure and simple, and you will always find them in every avenue of the profession. It is the optimistic class that meets with success and not the pessimistic. Those that live in rural districts are the ones that the All-wise Creator seems to smile upon when it comes to growing turkeys. It is useless for the city people to try turkey culture, as turkeys do not thrive in confinement. Therefore, only those that can afford unlimited range can launch out and reap a rich harvest from the proceeds of their turkey crop. The farmer is responsible for a shortage in the turkey supply. No other class of people can be responsible for the shortage in the turkey crop. The farmers must bear this "brunt," hence the individual that is blessed with country life and turkeys is simply in "clover," for he is well aware the demand is far greater than the supply, which beyond a doubt, encourages him to use every effort to mature every turkey incubated, for the short supply of this great commodity insures remunerative prices. Consequently there is no branch of farming, especially in the Central West, that affords greater opportunities for easy money making than turkey farming. We well realize that if it were possible to raise one thousand turkeys of the highest type, we would possess a good fortune, but to raise turkeys in thousand lots is next to an impossibility, at least it is so with us, and we have the impression it is likewise with our brother poultrymen.

Yet, they can be successfully raised in limited numbers on unlimited range. The subject of turkey culture should be studied from A to Z, then the masses of amateurs would soon learn their greatest mistakes are made in trying to raise too great a number on too limited range. It must be understood that turkeys must be raised in limited numbers and on unlimited range. When we conform to these rules we will raise more turkeys of larger size and finer in quality. Judicious management of turkeys tells the tale at the end of the season.

The month of June is a very trying month on turkeys, especially if the lice are not kept at bay. Turkeys are prone to roam the fields like any other domestic fowl raised on the farm. If you handicapped the turkey in the respect of roaming the fields for worms and bugs, your efforts to mature them are wrought asunder. It very often occurs that June is a wet, disagreeable month, rendering turkey growing very disagreeable. If possible give them a chance to roam the

field, but if the rains are protracted, turkey poults must necessarily be kept in confinement out of the wet grass. A wet, chilled turkey is next door to a dead turkey. Hundreds of turkeys that are half-grown are lost by allowing them to become thoroughly drenched in a cold rain. Great losses may be avoided by going after the turkeys at the appearance of approaching storms. Turkeys at this age should be fed on the soundest grains possible to obtain. We know of a farmer that always goes to the markets and inquires for musty grains for his fowls for no other reason but that he can obtain them cheaper, supposing he is buying a bargain, but the facts are he is paying dearly for his foods, because he invariably has great mortality in his broods, due to the state grain given them. If there is anything that requires sound, pure food, it is the feathered tribe.

The naturally wild turkeys are healthy and rugged, simply because they feed upon the purest foods nature has in store. This is evidence sufficient to warrant us in the practice of feeding our domestic turkeys nothing but the purest, soundest grains. It has been but a few weeks since the writer called at the meat market to buy meat for the fowls. We were offered stale meat but would not accept it even at a greatly reduced price. Consequently, we were called a crank, but it matters not to us whether we received surly names or not. Our money is a standard bearer and must buy what we want, if it can be obtained. Pure food is the secret of success in growing domestic turkeys. If your turkeys have ample range during the summer months they will require but one feeding and that at night. Too much feed will everlastingly ruin them even if your food is the purest skillful hands can provide for them. Allow the poults to go upon the nearby fence to roost as soon as they are old enough to fly up to the perches. They will thrive much better roosting out in the open than in closely confined coops. During the warm, sultry nights provide a liberal supply of grit and charcoal close to the feed coops for their option on their return from a day's ramble. This will aid digestion and prevent serious trouble from enlargement of the liver, so common in young, growing turkeys. —J. C. CLIPP in *Inland Poultry Journal*.

Lice Will Kill Turkeys

Five cents worth of Fish Berries, crushed placed in a pint of whiskey and rubbed on turkeys with lice will kill the lice. Apply every two weeks after getting rid of them. Lice kills more young turkeys than any thing else.

WHITE HOLLAND TURKEYS

• WINNERS AT LEADING SHOWS •
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Barred Plymouth Rocks
Mammoth White Pekin Ducks

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YOUNG'S BARRED P. ROCKS

Eggs balance of season \$1.00 per 15;
\$5.00 per 100. This years breeds for sale.
Try me if you are looking for good stock.

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"Brown Beauties"

Won first cockerel at Knoxville's great poultry show three years in succession under three different judges—takes something mighty good to win first prize in Knoxville.

Don't you want some of this prize winning blood—place your orders now for October—November delivery—pay no money at this time—just tell me what to save for you in

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WHITE WYANDOTTES
AND
S. C. LEGHORNS

Bred to Lay

Principal Winners wherever shown for past 3 years. Write for catalog, mating list, etc.

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Nashville, - Tennessee

FOR SALE!

Mammoth Bronze Turkey Eggs



What every one wants is size and plumage combined. I have it in my flock this 1909 season, with "Southern Prince," line bred, weight 50 pounds, score 97½, his sire, Goliath, weight 48 pounds, score 97½, with Jumbo Jim, grand sire, by hen, weight 47 pounds, second prize winner at St. Louis World's Fair, 1904. Southern Prince heads Pen 1, mated to 8 fine, large females that will score at least 95 points. Pen No. 2 consists of 8 fine pullets mated to a 35 pound cock, score 96½, 1st prize winner at Lebanon, Tenn. "Like will produce like," and this is what my customers will get in these eggs. Satisfaction guaranteed as represented. Correspondence solicited. B. P. R. chicken eggs from best prize winning strain, \$1.50 per 15.

BOONEVILLE POULTRY YARDS, MRS. J. C. SHOFNER, R. 1, Mulberry, Tenn.

PIGEONS AND BANTAMS

E. H. PRYOR

Bantam Varieties

The Bantam varieties have many advantages, which commend them to the public. As a show bird, as a money maker, for beauty and attractiveness, for the table, they are unsurpassed by any. The winter exhibitions of fancy poultry attest the popularity of the Bantam. The children, yes, even the old folks and the fancier love to pass to the Bantam coops and stand viewing the little beauties. And if any section of the show has a crowd, the Bantam section get its share, for they all really love to look at them, even if they will not admit it out of the show room. No prouder specimen is ever handled. Their saucy, dignified bearing stamps them as cognizant of the fact that what they lack in size they must make up in egotism. The Sebrights, Cochin, Japanese, Game, Brahma, Polish, etc., have their admirers, are all fine, if bred for perfection. The exhibition without the Bantam is not a full show. Too little attention is given the offering of prizes for this class. The prize winning is good but human nature likes a little tickling with a few specials and some recognition. The show management that places all specials on the large breeds makes a mistake. Bantams are short on weight and long on attraction, just as much trouble to breed for show, and fancy birds are not sold by weight, and men's hobbies are not controlled by size.

They are also valuable from a financial standpoint. A demand always exists for good specimens, and for the best show birds the demand is never supplied. Bantams sell at good prices, and being small feeders and requiring small space the profit is greater than for the same sale of the larger breeds. A small house and a small run is all that is needed. A city back yard not large enough for anything else of value will raise prize winners and good sellers. They, like any other breed, require at-

tention, culling and good judgment in mating, but for the money and space used no other breed excels the Bantam in profit.

As a broiler they are excellent. Their flesh is tender, toothsome and very rich. As a fry, in their youthful days, they are good. The Bantam does not lay as many eggs as the larger egg laying breeds, but they lay fairly well. Three Bantam eggs make about as much as two ordinary eggs.

Pigeons Should Bathe Often

Pigeons must have a chance to bathe often and freely in warm weather. A bath pan of galvanized iron or zinc 3 or 4 inches deep and about 30 inches square or in diameter, if round, should be provided in the fly. In this a generous supply of pure, fresh water should be put in the morning, and at noon or afternoon what is left thrown out. Birds should be given this bathing privilege at least every other day in hot weather and twice a week in cold weather if possible. They enjoy these baths and rid themselves of lice and vermin. If a trough can be provided in the fly through which water is constantly flowing, so much the better. This trough should be 12 to 15 inches wide, 3 inches high on its sides and of one inch stuff. The water escaping at the opposite end from its entrance may be run into a barrel sunk into the ground the top of the barrel even with the ground, and the barrel covered to keep the fowls or animals from falling in, or the water might be allowed to escape by a natural channel if there be one. For a healthy condition of pigeons a bath is as essential as food. Do not try to keep them without a bath. Give them a chance and see how they enjoy it, especially on a hot day.

Licensed A. P. A. Poultry Judges

Name and address will be printed under this head one year for \$2.
F. J. Schocke, R. 5 Salem, Ind.
J. C. Clipp, Sault Ste. Marie, Ind.
S. T. Campbell, Mansfield, Ohio.
T. L. Bayne, Knoxville, Tenn.
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20c per doz. \$1.00 per 100, 6 samples 10c. H. E. Bair, 540 Twilight Yards, Hanover, Pa.



Crown Bone Cutter

Cuts up scrap bones easily and quickly—no trouble. Feed your hens fresh cut green bone daily and get more eggs. Send for catalogue. **Best Made Lowest In Price**
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when you must make your feeding tell—not in eggs but on the fowls.

Develop large, healthy fowls with a strong predisposition to lay, and bring them along fast by feeding

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It pays to feed for definite results. You get the benefit of a scientific feeding plan when you use

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There is no substitute for Darling special-purpose foods. Sent direct if not on sale with your dealer. The fine big catalog on feed and feeding always free. Address

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High Class mated, pure straight Homers, colored and clear white. Extra large, fine birds. Red Carneaux, equal of any and better than many. All mated, banded, working and under 2 yrs old. Large or small quantities.

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been on the market for 30 years under another name. Is high arm, ball bearing, noiseless, easy running, stand hand-somely embossed, hand polished case, etc. Is modern in every feature, and the best that can be made. Will be sent freight prepaid, with a year's subscription

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WRITE FOR PRICES

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REDS that are RED

SINGLE COMB EXCLUSIVELY

Eggs are now half price for the rest of the summer—\$1.00 per setting; \$5.00 per 100. Special prize pen \$2.50 per setting.

35 regular and special prizes at last two state poultry shows.

100 young hens for sale at \$2.00 and \$3.00 each.

Also several hundred choice pullets and cockerels at reasonable prices.

Write for free descriptive circular.

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Ward & Lane, Proprs.

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BOYS' DEPARTMENT

ROBERT G. FIELDS

A 14-Year-Old Beginner

I am a beginner in poultry, having about one and one-half years' experience, and in this time I have learned a great deal, some of which is to take other people's advice, especially mother's and father's; for they know a great deal more than myself.

Another thing, don't start with too many fowls, especially if you expect to confine them, as I have my Rhode Island Reds. I started with a trio and a setting of eggs. My success is largely due to my mother and father, for every time I found a little difficulty, I wanted to throw it up, but now I would not separate from the biddies.

There is great profit in the business if one goes at it rightly. My library consists of some books and a few pamphlets from the experiment station, and a fine journal, THE INDUSTRIOUS HEN, which is certainly worth the money to anyone.

A word to mothers: If your boys want to try the business, let them try your own flock for about six months, and if they are in earnest give them a yard and a flock of their own.—JAS. E. McCLELLAN, Santa Anna, Texas.

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PINEYWOODS POULTRY FARM, Dinsmore, Fla.

Buff Cochins Bantams, White Wyandottes, Single Comb Brown Leghorns.

For balance of season eggs from all my prize matings \$2.00 per 15. Stock in season. Get my prices and show record. I can please you.

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MORTIMER E. BACON, PITTSFORD, N. Y.

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White Wyandotte hens at \$1.50 and \$2.00 each. All this year's breeders practically given away to make room for young stock. Special price on large orders.

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Prices one-half balance of season. Send for Catalogue and Photographs.

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A teaspoonful to each quart of water will be a sure cure or preventative for all bowel troubles.

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EXCLUSIVELY

We both lose money if you don't trade with us

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are bred from the four leading strains of the United States, and are large, healthy and vigorous. 4 GRAND BREEDING PENS, headed by cockerels scoring 92 to 95 points. Ten Standard bred hens to each pen. Eggs for hatching \$1.50, \$2, \$2.50 and \$3 per 15. Range eggs from pure bred birds \$1.25 per 15. All eggs shipped in Erie Baskets. Prompt shipment and a good hatch guaranteed. Address,

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Barred Plymouth Rocks

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WILL HATCH YOU WINNERS
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One breeder hatched pullets from eggs bought of me last season that won first, second and fourth, at Nashville, Tenn. Plenty more have done just as well.

If you want the BEST for your money in eggs for hatching get my SPECIAL MATING LIST.

I pack eggs so they don't break. Send for my SPECIAL MATING LIST to-day. My Catalog is free, too; get them both.

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THE DOG

T. H. E. KENNELMAN

Collies as Drivers

Driving is as natural to a Collie as swimming is to a Spaniel, but he should be properly guided in this instinct and training can commence when he is four or five months old. Cleanliness and tractability should be taught from earliest puppyhood and the extremely sensitive nature of these dogs absolutely prohibits all roughness or punishment of them if you would get satisfactory results. In many ways man's superior intellect can shape the future usefulness of a Collie. For instance, a dog should always drive from behind and not run to an animal's head and bark at or bite the cow. A good way is to take the puppy in your arms, run after the cows a little so they start on a trot, then let the puppy down and he will think he is making the cattle move and will gradually learn to work behind.—F. H. LABAUME, in *Southern Planter*.

Chicken Killing Dogs

A subscriber of *The Fanciers' Monthly* writes to ask if there is any way to break a dog of the chicken-killing habit except to kill the culprit. Yes, there is. It is simply a matter of patient training and punishment when such an offense is committed. It is as natural for all puppies to worry chickens, and kill them in process of having fun with the frightened bunch of feathers, as it is for them to breathe. It is also the hardest kind of work to instill into the minds of any group of puppies that they are doing wrong in acting thus. They must be taken singly and trained one at a time not to touch a chick. As with children, as the twig is bent the tree is inclined. We once owned old "Champion Melrose," one of the finest St. Bernards that ever was seen on the coast. He was not taught that it was wrong to kill chickens or cats, or any other small creature, just to give him exercise and develop his muscles. Consequently he looked upon chickens as his natural prey. An old dog is proverbially hard to teach, but we finally had Melrose so that he would walk with the utmost indifference right through a flock of young chickens, and his kennel was located right beside the poultry yard. But this was not accomplished in a minute. We never beat him, nothing more than switched his ears and scolded him when he had chased a chick, yet he soon came to know they were not for him. Likewise, we did the same thing with the inveterate killer of chicks and cats, old "Madam Chaddie," the Bulldog, who from the most savage of brutes became the most gentle. It is all a matter of patience and persistent training until the result you are after is accomplished.

EGGS AT HALF PRICE

Commencing May 20th, eggs from RUDY'S PERFECTION WHITE WYANDOTTES one-half former prices. Now is the time to get the best, as some of my most noted prize winners have been June-hatched chicks,

RUDYDALE POULTRY FARM

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Lambert's Death to Lice has no superior, being endorsed by leading poultrymen as the quickest and safest lice killer. Poultry infested with Vermin will not flourish. Use Lambert's Remedies and you will not be disappointed. "Modern Poultry Methods" sent for 2c. stamp.

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COLLIE DOGS

Puppies from registered stock \$5 to \$10 according to age and markings. No better blood on earth. Write us your wants. **J. J. KOGER & SONS, Rogersville, Tenn.**

Do you want a permanent and a very profitable business? If so, invest \$25.00 in a complete set of our CONCRETE HEN'S NEST MOLDS, and make from \$100 to \$150 per month. Write at once for our catalog. **CONCRETE MACHINERY MANUFACTURING CO., Waterloo, Iowa.**

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Cholera, Roup, Limber Neck, and Gapes quickly cured, also prevented with Snoddy's Poultry Powder. Death to Hawks. Only remedy known that can be relied upon in perfect safety. \$3.00 case for \$2.50. Write for full particulars with prices. Agents wanted. **DR. D. C. SNODDY COMPANY, Box H, NASHVILLE, TENN.**



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Two fine litters for sale. One of Beauty Bright, sired by Shadrack, alias "Ben Hur". These puppies are almost perfectly marked, and are going rapidly. Orders booked now for delivery within a few weeks. Prices \$25.00 to \$50.00 for males, females (only two) \$15.00.

Pedigree with every pup. Satisfaction guaranteed.

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STOCK FOR SALE—EGGS FOR SALE

JAMES M. FRANK

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Special July and August bargains. After July 1st we will sell one half of our breeding stock at less than half their value. Choice breeding pens of one male and four females in Buff, White and Partridge Wyandottes, Barred Plymouth Rocks and S. C. W. Leghorns, at \$10.00 per pen. 1000 head of choice young stock for sale after October 1st.



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SINGLE COMB WHITE LEGHORNS

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McINNES' BUFF ROCKS

Charleston, S. C., Dec., 1908.—Our Winnings were First Pen. Special Ribbon for best shape male. Missing best display by two points only.

Greenville, S. C., Jan. 1909.—Annual Buff Rock Club Show. Won American Championship Cup for Best Cock, Hen, Cockerel and Pullet, also both State Cups. Defeating MADISON SQUARE GARDEN WINNERS.

Rock Hill, S. C., Jan. 1909.—Same week as Greenville Show. Eleven birds shown, won first Cockerel, first, second, third and fourth Hen, first and second Pullet, first Pen and best display.

Their record stands alone and unequalled. Eggs from the Grand Champion Cup Winners \$5.00 for 15. From second yard \$2.00 for 15.

Eggs half Price for rest of season. Homer Pigeons, 75 cents a pair. Golden Honey Queens.

G. F. and B. K. McInnes, Charleston, S. C.

AT STUD

Chief Wonder A. K. C. 86883. Fee \$15.00. A cobby built, big boned son of Ch. Woodcote Wonder, most famous bull terrier of his day. A few choice puppies sired by Chief ex Pharmacy Queen; she by Fire Chief.

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AIREDALES. AIREDALES

Registered and pedigreed and farm raised. Stock from the famous Clonmel Monarch breed. Splendid pets, good watch dogs, hunters, trailers, swimmers, retrievers, wild animal fighters, mousers, Ratters, vermin, police and pit dogs. Write whether you buy or not, to,

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HUMBOLDT, ARIZ.

Dogs Have Worms! Dogs Have Distemper!

Dogs Get Out of Condition!

If you have a good dog, keep him in condition and free from worms and distemper by the use of the C. S. R. Remedies. They are the best on the market today. 50 cents Boxes. Postpaid.

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Southern Bee Culture and HEN one year 75c.
Gleanings in Bee Culture and THE HEN
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Will Bee Keeping Pay?

Written for the *Industrious Hen*.

This question may be considered by saying that beekeeping is like every other business; it pays or does not pay according to the way you run it. Nine farmers out of ten make little or nothing out of beekeeping. In fact most of them let their bees die in a short time. And yet this proves nothing but that most people are inefficient, no matter what they work at. It is only the few that make a decided success at anything. One has only to look around him and study cases that he constantly sees in order to be convinced of the truth of this statement.

We had a fine illustration of this principle in our own vicinity this season. One of our neighbors, Mr. John W. Reagan, of Powell Station, Tennessee, started last year to become a beekeeper. He wasn't content with the usual way of farmers around him for he knew there was something better. Mr. Reagan began by reading beekeepers' manuals and bee journals. He wanted to know how the best scientific beekeepers worked. He sent for the best modern appliances and learned how to make others himself. He wasn't afraid of work and got practice among his own bees continually. He possessed the happy faculty of putting all he learned into practice.

Early this spring Mr. Reagan fed his bees liberally and had the hives overrun with eager workers by the time the first honey flow began. The brood chambers were soon filled and then the supers went on. In a little while the first super was nearing completion and on went another just under it. In this way he tiered them up as fast as necessary.

What was the result? Such loads of honey as were never known in this vicinity. As soon as a few supers were filled he began to sell. Neighboring farmers bought. Hands in the brick yard bought; a big lot was carried to Knoxville and sold to the leading hotels and other parties. That in pound sections easily brought 20 cents. Chunk honey cut out of extracting frames went for 15 cents a pound. His daughters helped; his wife helped—both to care for the bees and to sell. It was a joy to see the white combs turn out. The house was full of it. The buckwheat cakes and honey were rich enough reward for a king. Three colonies made \$30 worth, where the old time farmer would have thought \$7 or \$8 a prize. Ten or a dozen stands brought \$125 worth. It was a great success! Why? Because it had intelligence and work behind it. Alsike, crimson clover, and other honey crops had prepared the way. Numerous swarms came out and next year the success will be greater than ever.

Overstocking

There is a limit to the number of colonies that any given locality will support. The number, of course, depends upon the amount of pasture to

support the bees. Fifty or sixty colonies would perhaps be enough for the average East Tennessee beekeeper in his home apiary. He could put others in out-apiaries. The smaller the number of colonies the greater the average of honey to each. Experience must tell what number will give best pay for labor and investment.

Bee Notes

Comb is the most popular form of honey. The people know that comb honey cannot be counterfeited. Hence they buy it eagerly. The pound section brings the highest price.

Our fathers thought they did well to get ten or twenty pounds of very common honey from their old box hives. With modern hives forty to sixty pounds in sections are easily obtained and sometimes three to four hundred pounds.

If your supers become pretty well filled during a honey flow put a new super under the old one and you will get more honey. Mr. Doolittle says to put the new one on top, and he may be right. Authorities differ.

Some beekeepers took off sections early in July and sold all marketable honey at a high price. Others will leave them on till the honey fully ripens and has a better body and flavor. Yet the comb may become trave-stained and not sell so well.

Tennessee State Fair Poultry Show, Nashville, Sept. 20-25. Jno. A. Murkin, Supt.

Royal Reds and Buff Orpingtons

Large, beautiful Rose and Single Comb R. I. Reds and Buff Orpingtons for sale. These are the very best egg producing and prize winning strains in existence. Early hatched cockerels at \$1.50 each until September 1st.

Geo. W. Sweeting, Locust Mt. Ptry. Farm
Sharon, Hartford Co., Md.



2000 Early Hen
Hatched Reds.
1000 Yearlings for
Sale at Hard Time
Prices.

De Graff's Book on
Reds is the Finest
Poultry Book Ever
Published.

CIRCULAR FREE.

De GRAFF POULTRY FARM, Amsterdam, N. Y.

The Industrious Hen

Lays All Over the South

3 Years \$1

1 Year 50c

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Because it contains articles on the Romance, History and Development of the most picturesque as well as the most interesting and historic part of the United States, The Southwest.

If in search of Wealth, come where there is plenty of it to be found by the man with Energy and Push.

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If your lungs are weak and your physician and friends have advised you to come to Colorado or some other climate that will benefit you, and you cannot afford the expense, write us to this effect and we will show you a way and help you to obtain treatment at one of the best Sanitariums in New Mexico for one year or longer and it will not cost you one dollar.

Yearly subscription to The Great Southwest Magazine, \$1.00. Sample copy 10c. The Great Southwest Magazine and The Industrious Hen, both one year, \$1.25.

If interested write today, enclosing stamp for reply, to

The GREAT SOUTHWEST MAGAZINE
600 Railroad Bldg., DENVER, COLO

BOYD'S QUALITY S. C. BROWN LEGHORNS

WINNERS AND HEAVY LAYERS

Eggs reduced to \$2.00 per 15 the remainder of the season from all pens. The best of breeders for sale after June 1st. Order from this ad or write for mating list.

DR. H. T. BOYD,

SWEETWATER, TENN.

First Annual Show of the TRI-STATE POULTRY ASSOCIATION

in connection with

GREAT TRI-STATE FAIR, MEMPHIS, TENN.

SEPT. 28TH TO OCT. 9TH, 1909

\$2,500.00 in Cash Premiums, 22 Cups and Trophies
Valued at \$530.00

GRAND CASH PRIZE OF \$125.00 IN GOLD

The Tri-State Poultry Association will give \$100.00 in Gold for the best 15 birds of any one variety entered and owned by one exhibitor. A second prize of \$25.00 in Gold will be given. Bantams, Guineas, Turkeys and Waterfowls barred.

Judges: Theo. Hewes, S. T. Campbell, F. J. Marshall. For premium list and all information, address R. C. STOCKTON, Supt., 10 N. 2d St., Memphis, Tenn.

\$2.50 Given Away. Boys, Girls and Grown Folks.

New York City:—Thousands all over the world are taking advantage of the generous offer made by a New York firm requesting \$2.50 in checks, which are worth the full value.

You do not bind yourself to do any work and have nothing to return.

This is the greatest offer ever made. Send a postal card addressed to Room 407, 1161 Broadway, New York City. This firm will send you \$2.50 in checks, and you will receive \$2.50.

Do not hesitate to write today, as this offer will not appear again.

Poultry in New Zealand

We have before us the New Zealand Poultry Journal of May 20, which comes to us from around the world. It is published at Christ Church, a city on South Island and about the size of Knoxville. The islands are very populous and fruitful. Poultry is one of the leading industries.

Many things are different in New Zealand. Being in the Southern hemisphere its seasons are exactly the opposite of ours. The farmers get highest prices for eggs in April, May, June and July, for that is their winter season. Eggs are lowest in what are winter months to us, but summer to them.

In the journal mentioned, the show question was being discussed and preparation was going on for the winter exhibitions in June. The questions discussed are similar to those in our own papers, viz., the fancier and the utility man, Indian Runner Ducks, feeding, marketing, etc.

The poultry farms run by the government are spoken of as a failure. Some of them are to be abandoned. Too much

attention was given to common business and not enough to testing scientific and economic principles. It seems to be a universal failure when government undertakes business in a socialistic way.

It seems very awkward to be counting up poultry profits in pounds, shillings and pence, but that is what they do in New Zealand, having inherited this clumsy money system from their English ancestors.

INCUBATOR OIL

You can increase your hatch twenty-five per cent by using in your incubators

SOLINE OIL

No Smoke, no Odor, a perfect Oil, made from premium Pennsylvania Crude.

Orders filled from Knoxville and Chattanooga, Tenn., High Point and Greensboro, N. C., Baltimore and Cumberland, Md. Address

TENNESSEE OIL COMPANY,
K. & O. Ry. Knoxville, Tenn.

FOR SALE!

First pen, or will exchange for White Leghorns or Buff Orpington Chickens. 20 pair guaranteed mated and 15 pair not mated from 4 to 6 months old. Imported Jumbo Homer Pigeons.

Second and third pens for sale. Ninety pairs Homers and 25 pairs Carneau Pigeons.

All my pigeons are working nicely but am selling out to make more room for my chickens.

H. C. THOMPSON
LOVICK, ALA.

**FREE SAMPLE**

There are two important points to be remembered in connection with Amatite Ready Roofing.

- 1st. It has a real mineral surface.
- 2nd. It is waterproofed with Coal Tar Pitch.

The mineral surface makes painting absolutely unnecessary, and the Coal Tar Pitch water-proofing is the greatest known enemy to water. You are sure of the very best protection at the lowest possible cost, when you buy Amatite.

Send for free sample and booklet. Barrett Manufacturing Company, New York, Chicago, Philadelphia, Boston, Cleveland, Cincinnati, St. Louis, Pittsburg, Kansas City, New Orleans or Minneapolis.

LANSDEN'S R. I. REDS

Summer prices on a few year old breeders 500 on the way for the fall and winter shows

Winners—as usual

If not satisfied with what you have write us
H. B. Lansden & Son, Specialty Breeders
Manchester, Tennessee

S. C. RHODE ISLAND REDS

Best Shape and Color.
Eggs \$5.00 for 15.

S. C. ALEXANDER,
ASHEVILLE, N. C.

SAM M. COOPER

BREEDER OF
High Grade S. C. R. I. Reds
STOCK FOR SALE
KNOXVILLE, TENN.

COLUMBIAN WYANDOTTES**—OF QUALITY—**

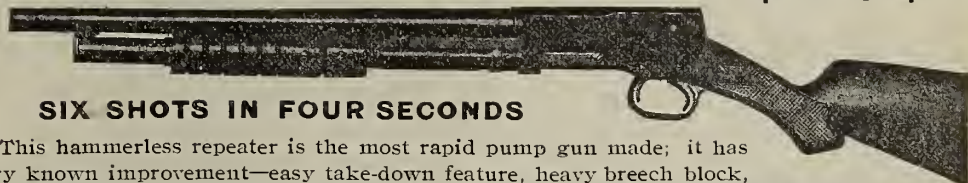
I will sell a limited number of fine breeding females at \$1.50 and \$2.00 each. Eggs for hatching at half price. Send for Circular.

C. L. PATTERSON, AKRON, OHIO

The KNOXVILLE STORAGE CO.

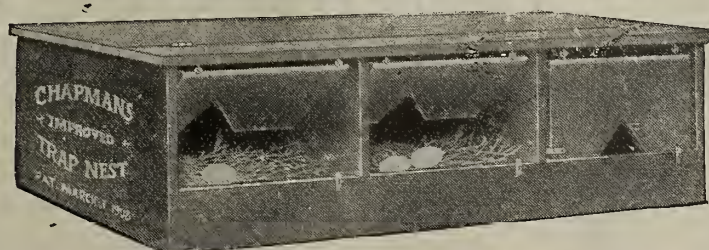
SOLE AGENTS, 123 Jackson Avenue, KNOXVILLE, TENN.
CARRY FULL LINE CYPHERS' INCUBATORS AND BROODERS.

Prospective buyers are invited to call or correspond. They can save you money and show goods before you buy

A SHOT WITH EVERY TICK OF THE WATCH \$5 to \$27**SIX SHOTS IN FOUR SECONDS**

This hammerless repeater is the most rapid pump gun made; it has every known improvement—easy take-down feature, heavy breech block, covered mechanism and top rib if desired. Catalog shows our other shot guns, doubles, singles, etc. FREE BOOK TELLS OF THIS GUN. A postal brings our book FREE.

THE UNION FIRE ARMS CO., Toledo, Ohio

CHAPMAN'S IMPROVED TRAP NEST

Is proclaimed by all poultrymen who have seen it to be the most practical and best made nest on the market today. Hundreds of letters and orders are coming in from all over the United States and without a word of dissatisfaction from a single customer; the reason is, because this nest can be depended upon to absolutely trap the hens.

The Chapman nest is made upon honor and constructed on mechanical principles that are bound to make it the leading Trap Nest of the world. A trial order will prove it and we guarantee to refund the money if it does not trap the birds. Write for catalogue.

3 Nest Size, \$3.00; 6 Nest Size, \$6.00. Chapman's Sanitary Fountain. Liberal discounts to agents.

CHAPMAN TRAP NEST CO., Weld Bldg., Boston, Mass.

The Dollar Hen

We have before us a new book which is very thoughtful, interesting, and instructive. It is "The Dollar Hen," by Milo M. Hastings, lately in poultry work for the general government and with wide experience in the lines of which he writes. The work covers the whole poultry field in a practical way and puts into the hands of the learner a priceless stock of information which he can not get in any other way. If you want to know where and how poultry pays, this book tells you. It lets you into the secret of what you may expect and what you need not expect; how you can reach success and how you will not reach success. The various branches of poultry culture are shown up, with egg farming in the lead. For the sake of becoming stronger in the work every raiser of poultry should read this little book.—T.C.K.

Money in Canning

Few farmers realize the opportunity there is in putting up canned goods. *Farm Life* tells of a case in a neighboring state. A canning outfit was bought by a farmer for \$150. He planted ten acres in tomatoes and raised eight tons to the acre. Each ton filled fifty dozen cans. His cans netted him seventy-five cents a dozen profit. Each day in the season his profits were one hundred and fifty dollars. His profits per acre were two hundred and eighty dollars. From one acre of beans he obtained seven thousand cans, which brought four hundred and seventy dollars. All the work was done by this farmer and his wife! Now who says there is no money in farming of the right kind?

Tennessee State Fair Poultry Show, Nashville, Sept. 20-25. Jno. A. Murkin, Supt.

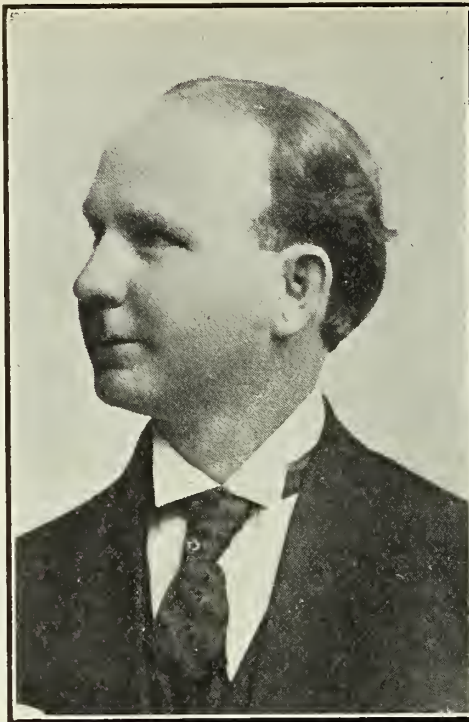
BROWN LECHORNS

My Free Circular on Show Record and Matings tells it all to you

E. E. CARTER

Knoxville, Tenn.

Dept. I.H. 967 Broadway



C. P. Hale, the Barred Rock Man
Sweetwater, Tenn.

WANTED

Everybody who wants the best Egg Producers and Blue Ribbon Winners in S. C. White Leghorns to write me. I have hundreds of the very finest for sale at right prices.

A. J. LAWSON, Proprietor, WHITE HILL POULTRY FARM
Route 4, Box 2, CLEVELAND, TENN.
State Vice-Pres. Nat'l S. C. W. Leghorn Club.

S. C. WHITE LEGHORNS

(Holston Strain)

The best laying strain in the South. See record in the June HEN. A few Cockerels for sale.

NOLA CHUCKY POULTRY FARM
Morristown, Tenn.

Business White Wyandottes

Trap nests used. Every pen headed by a male hatched from an egg laid by a hen that laid not less than 200 eggs that year.

Business Light Brahmas

Same quality
Stock for sale. Eggs in season.
Circulars free.

MICHAEL K. BOYER Hamonton, N. J.

IRON FENCE
LOW PRICE HIGH GRADE
CATALOGUE FREE.
DOW WIRE & IRON WKS. LOUISVILLE, KY.

BLACK LANGSHANS

Imported and home bred stock of the highest type
R. A. HEWES, CRETE, ILLINOIS

Plant Trubars

in your breeding yards and watch the
DOLLARS GROW

A grand lot of young breeding cockerels for sale after September 1.
Book your orders now.

J. E. HAGE

Originator of the famous Trubar Strain
of Barred Plymouth Rocks.

BOX 382 ASHEVILLE, N. C.
Twelve years with Barred Rocks.

TWO BREEDING PENS FOR SALE

To make room for young stock I will sell one pen of Black Orpingtons, headed by Longboat, 1st cockerel at Greater Nashville, 1908, by McClave; and also one pen headed by 1st cockerel, State Fair, 1908, by Pierce. These two Grand Pens will be offered at a reasonable price.

Miss Alice Pe'ton, Nashville, Tenn.
2239 14th Ave. North

WE WILL PAY \$1.00 IN CASH

FOR ANY CASE OF

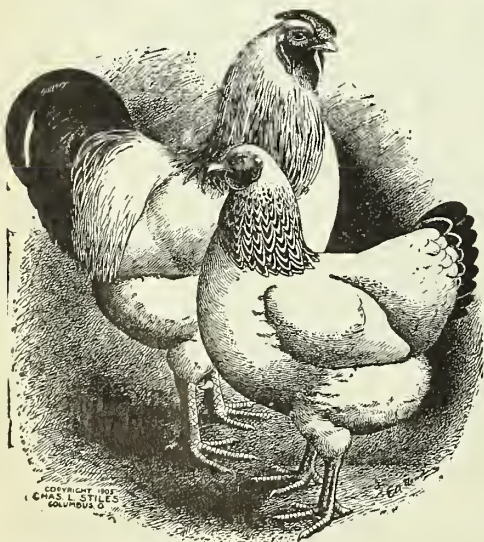
GAPES in little chicks
CHOLERA, CHICKEN POX
SORE HEAD, ROUP
CANKER, or SCALY LEG

that we can't cure with

SMITH'S POULTRY REMEDIES

We raise thousands of pure bred birds every season and never lose one from disease.
For full information and prices address

SMITH BROTHERS, Haley, Tenn.



BUTLER'S COLUMBIAN WYANDOTTES

ARE SURE WINNERS WHERE EVER SHOWN.

We have the best lot of old and young birds on our yards that we have ever had.
If you want show birds or breeding stock, write us your wants.

JAMES M. BUTLER, COLUMBIAN SPECIALIST,
MURFREESBORO, TENN.

Nashville Poultry Show

The Poultry Show which is held in connection with the State Fair at Nashville is conceded by such judges and exhibitors as J. H. Drevenstedt, S. T. Campbell, Theodore Hewes, Ernest Kellestrass, U. R. Fishel, G. W. Taylor, and Frank J. Marshall, to be one of the very best poultry shows in the United States.

The exhibition this year will surpass in quality and numbers any exhibition of the kind held in the South heretofore and it will be necessary to provide considerable additional floor-space—in fact the erection of a large tent to provide shelter for the overflow will be up for consideration at the next meeting of the Executive Committee. The indications are that the number of entries will be just about double last year's record and the quality average will remain just as high.

It is to be the biggest show of the season and breeders will be on hand from every section of the country. Applications are coming in rapidly for premium lists and entry blanks and the premiums offered this year are the best ever offered by a State Fair show.

LET ME TEACH YOU HOW TO MAKE

chicken feed at 10 cents per bushel, select the layers, get big hatches, make your own fireless brooder for 50 cents.

C. M. NEVITT,

3 Marsalis Avenue, DALLAS, TEXAS

Liberal Pay for Your Services

THE INDUSTRIOUS HEN desires to secure the services of a good, live, hustling representative in each locality to look after renewals, secure new subscribers, and to represent us at shows during the Fall and Winter.

This work will prove to be profitable and may be carried on in spare time without interfering with your regular employment. We furnish free everything necessary to start you in the business. You have nothing to buy and the work will be all clear profit to you.

*The
Industrious Hen Co.
Knoxville, Tenn.*



BUFF ROCKS OF QUALITY

A Louisville, Ky., winner, score 93½, our own product. Our Buffs won 1st and 3rd Cocks, 1st and 2nd Cockerels, 2nd and 3rd Pullets, 2nd and 3rd Hens, 1st Pen, Special silver cup for highest scoring Pen. Our first Cock was considered a wonder in color and type. Large, rich golden Buff birds for sale that will please you, at reasonable price. Eggs by the setting or hundred. Giant Bronze Turkey eggs, bred from the largest and finest marked specimens the world has ever produced. Yards headed by first prize winners. J. C. CLIPP, BOX 700, SALTILO, IND.

Tennessee State Fair Poultry Show, Nashville, Sept. 20-25. Jno. A. Murkin, Supt.

S. C. Brown Leghorns and Columbian Wyandottes

Winners of the Blue in Four States and 3 Cups this Season.

We won on Columbian Wyandottes, Nashville, 1st ck., 1st hen; 1st, 3rd ckl.; and 1st pen. At Jackson, Miss., 1st, 2nd ck.; 1st 2nd hen; 1st, 2nd ckl. 1st, 2nd pul.; 1st pen. At Augusta, Ga., held on same dates as Jackson, 1st, 3d ck.; 4th hen; 1st pul.; 4th pen. At Mobile, Ala., 1st, 2d ck.; 1st, 2d hen; 1st, 2d ckl.; 1st, 2d pul.; 1st pen.

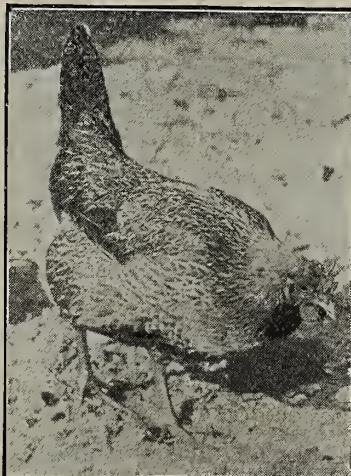
On S. C. Brown Leghorns, Nashville,

3rd ck.; 3rd pen. At Jackson, Miss., 1st, 2nd ck.; 1st, 2nd hen; 3rd, 4th ckl.; 1st, 2nd pullet; 1st pen. At Augusta, Ga., (held on same dates as Jackson), 4th ck.; 1st, 2d hen; 3d ckl.; 1st, 2d pul.; 1st pen and cup for best display. At Mobile, Ala., 1st, 2d ck.; 1st hen; 2d, 3d ckl.; 1st, 2d pul.; 1st pen and cup for best pullet in show.

STURTEVANT BROS.

KUSHLA, ALA.

Write us your Wants. Correspondence Solicited



"BUTTERCUPS"

The new breed with qualities that count—see description this paper.

No stock for sale of this breed.

EGGS, \$2.00 FOR 15.

C. S. TAIT, Brunswick, Ga.

RHODE ISLAND REDS

ROSE AND SINGLE COMB

Largest Exclusive Breeders of Reds in the South

Eggs for hatching a specialty. Write for our mating list, showing winnings, before placing your order. Safe arrival of eggs, good hatch and satisfaction guaranteed. Eggs from prize pens \$2.00 per 15. Special prize matings \$3.00 per 15.

WEST DURHAM POULTRY FARM, WEST DURHAM, N. C.

Glenview Orpingtons

S. C. BUFF EXCLUSIVELY

I WILL NOT SELL EGGS

for hatching next season. If you want some of the best stock of Orpingtons in the South, **BUY NOW.**

Prices reasonable. Please state your exact wants.

B. S. HORNE, Keswick, Va.

A Great Saving

Many poultry raisers will find a great saving in the cost of food if more bulky food is used, cut fine and fed to the hens as a regular portion of their ration. The hens will be more thrifty, will work better for their food and will lay better, while the work necessary to cut the food will occupy but a short period of time. Cheap clover cutters are now on the market, which will cut either dry or green food very rapidly and cut it fine enough so that the hens may readily consume it. This bulky food is cheaper and yet there is a great deal of nourishment in it, and it cut fine and scattered in the yards the hens will eat it and profit thereby.—*Coleman's Rural World.*

In the Industrious Hen

"My little one inch advertisement in THE INDUSTRIOUS HEN has sold me out of eggs. I have turned off over \$20.00 worth of orders for eggs so far."—J. C. Moore, Dothan, Ala.

"THE INDUSTRIOUS HEN has brought us excellent results, and I assure you that I will be with you again next season. We have no stock for sale, and our egg orders are coming in at such a rapid rate that it will be impossible for us to fill all our orders this season again."—ERNEST KELLERSTRASS, Kansas City, Mo.

QUALITY IN HOUDANS

Young Stock for Sale, also a Few Good Breeders.

FOREST VIEW HOUDAN YARDS

SEVIER & WRIGLEY, Proprietors
134 Forest Ave. Atlanta, Ga.

S. C. WHITE LEGHORNS

Eggs from pen of exhibition birds \$2.00 per 15 (limited.)

W. S. MATHEWS
BIG STONE GAP, VA.

EGGS FOR SALE

from fine Buff Rocks, from the best strain in the country at \$1.00 and \$2.00 per 15.

R. I. SATTERFIELD,
Route 5, Fairmont, W. Va.

24 LEGBANDS FREE**MAKE YOUR HENS PAY**

We send free 24 of the best Leg Bands made to every new and



renewing subscriber to THE INDUSTRIOUS HEN at 50c. 36 Bands will be sent with a three years subscription for \$1.00. If you are already a subscriber you may renew; or if you will get your neighbor to send 50c. for his subscription, we will send a dozen Leg Bands to each. Enclose money order or stamps to

The Industrious Hen Co.,
KNOXVILLE, TENN.

L. B. COOK'S
S. C. RHODE ISLAND REDS
RED HEN POULTRY YARDS
STANFORD, KY.

S. C. RHODE ISLAND REDS

2 Silver Cups, 31 Ribbons, 1 Diploma and 4 Special Badges this season. Eggs at half price, and 6 breeding pens for sale at a bargain. Premiums won at Louisville, Lexington, Frankfort Knoxville, Memphis, Bowling Green, etc. Send for mating list.

L. B. COOK, Box A., Stanford, Ky.

Breeder of R. C. RHODE ISLAND REDS

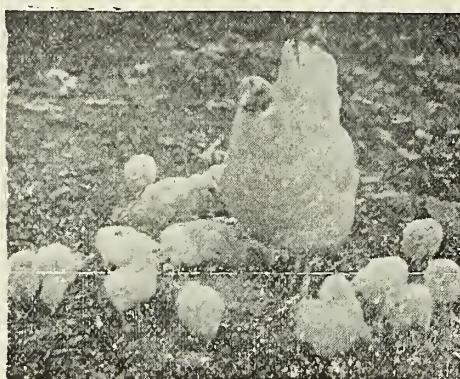
For six years have never lost out in the show room. A nice lot of breeding stock for sale cheap to make room. Eggs balance of season \$1.00, \$1.50 and \$2.00 per 15. Young stock for sale after October the first.

S. L. ALLEN, R. F. D. No. 2, Marietta, Georgia

Thornhill's
BROWN
Leghorns

Are Bred to Lay. Are Bred for Show. Are Among the Best. Results Guaranteed. Booking Orders for Spring Delivery. Eggs, \$2.00 per 15.

THORNHILL'S POULTRY YARDS
NEW DECATUR, ALA.



No. 6—Score 93; Egg Record 197.

Blue Blood Winners **HARD TO BEAT** **Large Production Layers**

BAYNE'S EGG RECORD STRAIN OF WHITE WYANDOTTES

With fowls having an average egg record of 198 eggs in a year, I won this season at Knoxville, December, 1906, 1st hen, 3d cock, 2d pen, highest scoring W. W., and had best shaped male. At Bristol, Va., January, 1907., 1st 2d cock; 1st cockerel; 1st, 2d, 3d, 4th hen; 1st, 3d pen; best shaped male, and silver cup for largest winning display of 10 or more birds in American class. My fowls have vigor, health and hardiness; raised on free range—forty acres. Breeds, show or business birds on sale. Eggs, \$2 for 15; \$3.50 for 30; \$4.50 for 50; \$8.00 for 100.

T. L. BAYNE, RUSSELLVILLE, TENN.

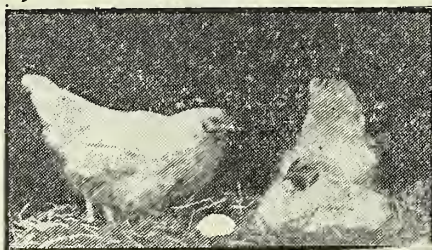
BARRED MINORCAS

I have bought the Madison Square prize winners of this beautiful Minorca. Will have a few settings of Eggs to spare after June 10th at \$10.00 per dozen. Mr. Schwarz charged \$25.00 per dozen. I want to get others interested in the breed, hence make a low price. Black Minorca, Rhode Island Red and Cornish Indian Eggs at 10c Each.

Many prize winners in my flock.

C. S. TAIT,

BRUNSWICK, GA.

**Which Hen Layed the Egg?**

Every poultryman wants to know which hen layed the egg without having to watch trap nests all the time. I have discovered and protected a system showing absolutely WHICH HEN LAYED THE EGG. You can feed your fowls in the morning, visit yards at night and immediately recognize every hen that layed and each individual egg. Remember, you can

be away all day and still have an absolute record of every hen in your flock. No guesswork, examination or catching hen. Any one can do it. Cheap to install, no expense afterward and will last a lifetime. Get rid of the drones, breed from the heavy layers and double your profits. Booklet telling you how you can construct and operate this system sent prepaid upon receipt of \$1.00. Endorsed by members of Herndon Poultry Association. Address,

M. F. HUTCHISON, Box 47, Herndon, Va.

Expenses \$8; Profit \$100

No matter how fine the stock or how much one has of it, if he does not let the public know it by advertising, he will never sell to advantage. THE HEN is the best medium for any Southern man. My wife took a one dollar a month ad. in THE HEN, and it has paid her over one hundred dollars profit in nine months.—A. J. LAWSON, Cleveland, Tenn.

Handsome Scarf Pin Free. A Wonderful Offer Made by a New York Firm

New York:—Thousands of persons all over the United States are taking advantage of a generous offer made by a New York firm making request for a beautiful gold plated scarf pin for either lady or gentleman, which is mailed to any one sending their name and address, free of charge.

This offer is made by a well known house to introduce their large catalogue of general merchandise, household goods, jewelry, novelties, etc., and the readers of this paper are requested to send their name and address immediately to Room 407, 1161 Broadway, New York, enclosing five two cent stamps to cover packing and postage.

Send today and be possessor of an article in jewelry that you will appreciate.



Only a Few Fine Exhibition Birds for Sale

No breeders for sale this season.

If you want to win in the big shows buy a pen from me.

My birds have won North, South, East and West.

JOHN F. CHILDRESS, SWEETWATER, TENN.

TERRELL'S S. C. RHODE ISLAND REDS

If you want prize winners for the early shows they are ready now. Fancy breeding stock ready to ship. Cockerels growing. Pullets laying. Write for list of winnings. I can please you.

L. K. TERRELL,

BIRMINGHAM, ALA.

SINGLE COMB RHODE ISLAND REDS

Heavy winnings, season 1908-9. We won 28 prizes in four of the leading shows of the South: Ala. State Fair, Birmingham, Ala., Mobile Poultry Show, Mobile, Ala., Etowah Poultry Show, Gadsden, Ala., the great Southern Show, Houston, Texas. We are now selling eggs at a reduced price. Eggs from prize winners \$2.00 and \$3.00 per setting of 15 eggs. Not culls, but high bred poultry. Order your eggs today, and raise REDS that lay.

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GUNTERSVILLE, ALABAMA

NATIONAL UNION FARMER, MEMPHIS, TENN.

A weekly Farmers' Union Journal, devoted to Live Stock and Agricultural interests. It will be sent twelve months with THE INDUSTRIOUS HEN for 75 cents. Send your order to

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The South's Greatest Show

Tennessee State Fair Poultry Show

NASHVILLE, TENN., SEPT. 20-25, '09

*Over 3500 Entries Last Year from 20 Different States
Bigger and Better than Ever this Year*

DON'T FAIL TO COME AND BRING YOUR BIRDS

For Premium List and Entry Blanks, address

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Single Comb Brown Leghorns

EVER-LAY STRAIN

NO YOUNG STOCK FOR SALE BEFORE

SEPTEMBER 1st

H. V. TORMOHLEN,

PORTLAND, IND.

**HAVE YOU EVER TRIED
SUNSHINE BRAND**

Scratch, Chick, Laying or Developing Foods? If not, Send To-day for Samples and Prices

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**DELINQUENT ACCOUNTS
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All claims entrusted to us guaranteed to receive prompt and persistent attention.

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SOUTHERN COLLECTION AGENCY

Lock Box 336, Knoxville, Tenn.

ENGRAVINGS



Made by us will show your birds just as they are. Give us a trial order and let us convince you that our Cuts are GOOD. . .

TENNESSEE ENGRAVING CO.

719 CHERRY STREET

CHATTANOOGA, TENNESSEE

Sunflower Seeds

It was by accident that the great value of sunflower seed as a poultry food, especially during the moulting season, was first discovered. Adjacent to one of the pens on a poultry farm there was a patch of ripe sunflowers, and the seeds had begun to drop to the ground when the fowls of this particular pen made a way through the fence and ate freely of them every day. The occurrence was unobserved for some time, but it was noticed that the hens continued to lay throughout the moult, and that they moulted earlier and faster than usual, and also earlier and faster than any of the fowls in the other pens. Eventually it was discovered that the birds had found their way to the sunflowers, and this led to the making of a series of experiments which proved conclusively that the addition of sunflower seeds to the diet is of very great benefit to moulting fowls.

In order to get hens quickly through the moult and to start them laying again with the least possible loss of time, various oily foods are used, amongst which the commonest are linseed cake and linseed meat, with various spices and condiments, but none of these are as good for the purpose as sunflower seeds, and when fed in moderation none will carry the birds through the strain of the moult in better condition. These seeds are rich in oil of a kind which seems to have the property of assisting the fowls in throwing off their old feathers, and not only this, but they also contain elements which are especially adapted to the formation of new feathers. Some time before moulting begins sunflower seeds may be freely fed, commencing with a light meal shortly after the breakfast mash, twice or three times a week. This may be raked into the litter or fed broadcast in the runs. As the birds become accustomed to the seed it may be fed more freely, increasing the quantity gradually to a meal per day. This may be given in any convenient form that will not interfere with the ordinary feeding arrangements, and at any time. Many poultry-keepers prefer to feed sunflower seeds crushed in a mash with other meals. If this course is taken, a suitable mash for moulting time will be: Two parts barley meal, two parts bran or middlings, and pour parts sunflower seed, mixed with skim milk. It is, however, quite as good, and generally more convenient, to feed the seeds whole for the evening meal, allowing as much as the hens will eat at that time.

I have found sunflower seed an excellent winter feed for egg production, but care must be taken to feed in moderation at all seasons

3 THE BIG THREE 3

THE SOUTHERN PLANTER

Richmond, Va., 50c a year.

SOUTHERN FRUIT GROWER

Chattanooga, Tenn., 50c a year.

THE INDUSTRIOUS HEN

Knoxville, Tenn., 50c a year.

12 BEAUTIFUL GOLD POST CARDS

Retail Price, 30c.

24 LATEST LEGBANDS

Retail Price, 25c.

These three monthly publications will be sent for one year, the 12 handsome Gold Post Cards, and 24 up-to-date Legbands, numbered, for marking your chickens, FOR ONLY \$1.00. Address,

THE INDUSTRIOUS HEN CO.
KNOXVILLE, TENN.

other than the moulting time. When fed too freely I have known it to produce the remarkable effect of throwing fowls into a second moult. Throughout the winter I would not feed it oftener than twice or three times a week, and in summer once a week is sufficient. At any season it may be fed in the manner described above.

Sunflowers will grow well in a variety of soils, but the most suitable is believed to be a rich, naturally drained loam. The ground should be prepared as for an ordinary farm crop, in the early spring, as soon as it is dry enough to work. When well tilled, drills may be opened three feet apart, and the seeds may be put in at intervals of twenty to twenty-four inches. It is usual to sow two or three seeds in a group, but to sow more is unnecessary, as the seeds grow freely and the young plants have no enemies. As soon as the plants have produced the fourth leaf they may be thinned, leaving only the most vigorous at the intervals mentioned. The ordinary grubber and other farm implements may be used in keeping the ground tilled and free from weeds, until

the plants grow about two feet high. They then throw out large leaves, which shade the entire ground, and prevent weeds from growing.—H. DE COURCY, in Poultry Husbandry.

Show Dates

Monroe, N. C.—Dec. 16-20, 1909. J. H. Beckley, Secy.; S. T. Lee and J. E. Cornwell, judges.

Sylvania, O.—Jan. 3-7, 1910. W. B. Harris, Jr., Secy.; W. E. Starfield, J. W. Mulinix, A. H. Emch, judges.

Upper Sandusky, O.—Dec. 7-11, 1909. J. P. Cammarn, Secy.

Augusta, Ga.—Nov. 8-13, 1909. Dr. W. C. Cleckley, President; W. A. Herman, Secy.

Sept. 28th to Oct. 9th—Tri-State Poultry Association in connection with the Tri-State Fair, Memphis, Tenn. Judges: Theo. Hewes, F. J. Marshall and S. T. Campbell. R. C. Stockton, Superintendent, 10 North Second St., Memphis, Tenn.

Pulaski, Tenn., Dec. 16-18, 1909. F. J. Marshall, judge; Lewis Culps, Secy.-Treas. Oconomowoc, Wis., Dec. 15-20, 1909. O. R. Eddy, Secy.

Buffalo, N. Y., March 25, 1909
Industrious Hen, Knoxville, Tenn.

Gentlemen:—Kindly discontinue our ad in your publication at once. Your paper has brought us larger returns than many journals where rate is twice yours. We intend to enlarge our plant and have no more breeders for sale. Thanking you for past favors and assuring you that when we have stock on sale again our advertisement will appear in The Industrious Hen, we are,

Very truly yours, Melrose Squab Co.

CHOICE POULTRY YARDS

Can furnish you THOROUGHbred CHICKENS, almost any variety you may desire at reasonable prices. SATISFACTION guaranteed or your money refunded, upon return of fowls, and we pay the return express. Agents for Cyphers Incubators and Poultry Supplies.

Call on or address

J. P. SWIFT & SON, Waynesville, N. C.



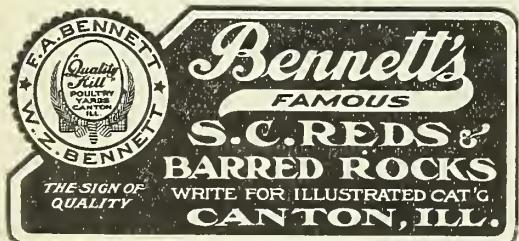
Write to W. S. KING, Supt., Lonoke, Ark., for Catalogue.

100 PAGE COOK BOOK Contains all the latest Receipts for Cooking everything; over 200 receipts nicely printed and bound, postpaid 75c. Address
W. H. DUTTON, 704 W. Markham St., Little Rock, Ark.

MARTIN'S QUALITY BREEDS

White, and Columbian Wyandottes. Blue Andalusians, Buff Orpingtons, and Rhode Island Reds.

Martin Poultry Farm
R. 5, Nashville, Tenn.



THE NEW BREED—
Buttercups

RECORD—300 EGGS PER YEAR

CIRCULARS AND PRICES SENT WITH PLEASURE
SOME FINE YOUNG STOCK FOR SALE FROM SEPTEMBER ON

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(CATO'S HALL)

EASTON, MD.

BREEDERS FOR SALE!

White Wyandottes, S. C. White Leghorns, White Rocks Barred Rocks, S. C. R. I. Reds, White and Buff Orpingtons, White and Buff Cochins.

Write at once for prices. 2500 youngsters will be ready for September and October delivery. Bear us in mind. Satisfaction always guaranteed.

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Wilson's White Leghorns Layers - Breeders - Winners

OLD AND YOUNG STOCK FOR SALE

JAS. A. WILSON

OLIVER SPRINGS, TENN.

Protect the Fowls

For poisoning rats in buildings and yards occupied by poultry, the following method is recommended: Two wooden boxes should be used, one considerably larger than the other, and each having two or more holes in the sides large enough to admit rats. The poisoned bait should be placed on the bottom and near the middle of the larger box, and the smaller box should then be inverted over it. Rats thus have free access to the bait, but fowls are excluded.—*American Stock-Keeper*.

78 Per Cent Hatched

Farmers are learning how to coax the American hen to make the most of her opportunities. The Agricultural Department reports that 78 per cent of all eggs set last year were hatched, and the mortality of hen-hatched chickens was only 10-14 per cent.

Don't Forget to Advertise

Poultry raisers who fail to advertise during the dull season of the year often complain of lack of business when they offer eggs or stock for sale. Keep your names before the public, friends, and will not fail to get good results.—*Coleman's Rural World*.

The Industrious Hen

One Year 50 Cents

Three Years One Dollar

15 BEAUTIFUL ART POST CARDS

All different, postpaid for 25c in silver. Mention this paper. Address

W. H. DUTTON, 704 W. Markham St., Little Rock, Ark.

S. C. R. I. RED CHICKS GOOD COLORS

35 Cents Per Pound

JOHN W. BROWN
THORN GROVE, TENNESSEE

SPRING HILL LEGHORNS

SINGLE COMB PURE WHITE

Summer Bargains in Stock and Eggs
Write for Prices

F. J. HEACOCK, R. 2, Salem, Indiana.
Sec'y Washington Co. Poultry Association.

The Chickens Deserved It

Gladys, aged six, would never eat pie-crust, but would slyly hide the crust under the edge of her plate after having eaten the filling. One day her mama saw her putting away the crust as usual, and thought to reprimand her by saying: "Oh, Gladys, mama doesn't like little girls who do such things."

Whereupon Gladys said: "Well, mama, I am saving it for the chickens. They like it and I don't, and they ought to have it, for they are better than I am; they lay eggs and I don't."—*Delineator*.

Tennessee State Fair Poultry Show, Nashville, Sept. 20-25. Jno. A. Murkin, Supt.

FEED LESS GET MORE EGGS

Eggs in the summer as well as winter. Let me send you my catalogue of SINGLE COMB WHITE LEGHORNS. A. P. RYLAND, The Chicken Man Pine Hill Farm, Pine Bluff, Ark.

A. C. SNODDY Columbian Wyandotte Specialist

Eggs \$1.50 to \$3.00 per 15.

NEWPORT, TENN.

Won 1st pair, Newport; 1st pullet and 3rd cockerel, Knoxville. The highest scoring Columbian in show.

GABHART'S S. C. WHITE LEGHORNS

The recognized champions of Kentucky. The great prize winning and laying strain. Young stock that will win at the fall shows now ready. A limited number of hens for sale.

W. E. GABHART, BOX M, BOHON, KENTUCKY

Barred and White Plymouth Rocks

Vigorous, Prolific Layers and Blue Ribbon Winners

INCUBATOR EGGS AND DAY OLD CHICKS

Eggs now only \$1.00 per 15. Regular price \$3.00 per 15

Sanford McFerrin, R. F. D. No. 5, Springfield, Tenn.

CLOSING OUT SALE!

¶ After May 1st will sell eggs for hatching at half price, assorted from all yards that are laying. Will also offer for sale some extra good breeding stock in Trios and Pens very cheap, quality considered. Write for special folders. The famous Barred P. Rocks is what I breed.

C. H. DOZIER, MARION, ALABAMA

DES-RENA POULTRY YARDS

GREENVILLE, S. C.

Our Royal strain of Barred Plymouth Rocks, and White Wyandottes are winners where ever shown, and we can make interesting prices on eggs to any one that wants to breed the very best of birds. We have a few very fine pullets that we can sell very cheap, considering their quality. Our Rocks are all from E. B. Thompson, Bradley Bros., and C. H. Latham's strains, and are very fine birds. Our birds won at all the big shows that we entered them at this season.

DES-RENA POULTRY YARDS,

GREENVILLE, S. C.

WONDERFUL EGG RECORDS

Winnings and cheap prices for June and July.

F. CAGE CUTLER

Box 66. CARTHAGE, ILLINOIS

GREAT LOUSE CHASER



An egg-shaped ball of harmless chemicals that drives lice off hens. Keeps chickens clean and healthy. No "doctoring"—just put

Medicated Nest Egg under the straw of the nests, or in the coop. Lice flee, never to return. Perfectly harmless to chickens. Big money to agents.

THE H. B. REYNOLDS MFG. CO. Dept. 1 140 Fredericktown, Ohio

S. C. BUFF ORPINGTONS

Imported strain, rich golden buff throughout, up to weight. Mine are winter layers, and win the Blue. Eggs \$2.00 per 15. Stock a matter of correspondence.

MRS. LULA LAWSON

Route 4, Box 2, Cleveland, Tennessee

PARTRIDGE COCHINS

blue ribbon winners bred to lay; and do lay. Won 7 prizes on six entries Lebanon, Jan. 1908. Won 15 prizes on 15 entries Lebanon, Dec. 1908. Eggs from first pen, \$2.00 per 15. Second pen, \$1.50 per 15.

THOMAS OWEN, R. R. 1, Box 21, LEBANON, TENN.

CALLAHAN'S CHAMPION
RHODE ISLAND REDS
RED FLAME STRAIN

"None better in the whole South."
Prize-Winners everywhere shown.
We breed for Shape, that rich red surface and under-color. Eggs and stock for sale. Send 2c for catalogue.
CALLAHAN & SON, EAST POINT, GA.

The Profits of a Poultry Yard

The South is a wide field for the poultry raiser, and there is no end to the locations in the neighborhood of growing cities and towns that can be occupied to good profit. Here is the balance sheet of Mr. Cal. Hus-selman, an expert living near Richmond, Va., for the month of January last. Mr. Hus-selman had a flock of 160 hens on his five acre lot and purchases all the feed for them, incurring an expense of \$21.56. "There were four yearling cocks and ten cockerels in the flock, making a total of 174 for the month. It cost a fraction less than 70 cents per day to feed the flock, and just about 12 1-2 cents per hen for the 31 days. The hens laid 2,854 eggs in the 31 days, an average of 92 per day. This is 237 dozen. These were sold at prices ranging from 28 to 34 cents per dozen net, wholesale, an average of 30 cents per dozen. Total, \$71.10; less \$21.56, cost of feed, leaving a net balance of \$49.54. This flock was housed in a curtain-front house 10 feet wide by 64 feet long, and had the run of a yard 150 feet square."—*Southern Field*.

Louisville, Ky., Show

The Louisville Poultry and Pet Stock Association, Louisville, Ky., will hold its next show December 6th to 11th, 1909. Judges, Messrs. S. B. Lane and Thomas S. Falkner. Address S. M. Nuttall, Secretary, P. O. Box No. 2360, Louisville, Ky.

WE WANT AGENTS

To take subscriptions to The Industrious Hen. You will find this pleasant and profitable. Write us for particulars.

RHODE ISLAND REDS

Stock and Eggs from Prize Winners.

RIDGE VIEW FARM, Willoughby, O.

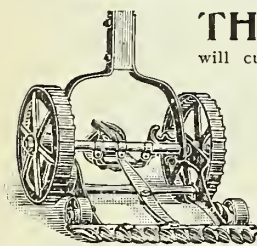
MONEY IN POULTRY AND EGGS

We tell you how to make it. Address, G. A. SHARP & CO., LOCKPORT, N. Y.

BUFF WYANDOTTES THE BEST BREED

Nothing but Prize Winners in my breeding pens Eggs \$2.00 Per Setting of 15.

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THE CLIPPER

will cut tall grass, short grass and weeds, and do all the trimming along the fences, walks and drives.

If your dealers do not keep them, let us know, and we will send circulars and prices.

Clipper Lawn Mower Co., Dixon Ill.

TO MAKE ROOM

For my young stock I will offer some of my choice WHITE PLYMOUTH ROCK YEAR-OLD HENS in any quantity to suit at \$15.00 per dozen. Also a few male birds to spare, from \$2 to \$10 each. Order direct from this ad. Eggs \$1.00 for 15; \$4.00 per 100.

C. M. WALKER, - HERNDON, VA.

ROSE C. BLACK MINORCAS. COLUMBIAN WYANDOTTES.

Trap nest pedigree layers and exhibition birds for sale. Superb in quality. Are unequaled as egg producers.

S. T. CAMPBELL, Mansfield, O.

Two Dozen Leg Bands Free.

You can't tell what your hens are doing unless you leg band them. You have to pay five cents each if you don't put leg bands on before you go to the show, so get your leg bands, now while you can get them for nothing. THE INDUSTRIOUS HEN has 5,000 of the best leg bands made to give to its readers. These leg bands retail at 15c a dozen. Here's how to get them free. Send us fifty cents for THE INDUSTRIOUS HEN one year and we will mail you 24 of these leg bands. If you have recently paid your subscription you may renew for another year; or if you will get one of your neighbors to send in fifty cents for his subscription, we will mail you a dozen bands each. This gives everybody a chance to get these leg bands free. Don't wait. Write today to THE INDUSTRIOUS HEN Co., Knoxville, Tenn.

Successful White Leghorn Season

"My ad in THE INDUSTRIOUS HEN has brought me inquiries from all over the country, and I have had a very successful season with my white Leghorns.—JAMES A. WILSON, Oliver Springs, Tenn.

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WYANDOTTES, R. I. REDS, COLUMBIANS

Goldens, Whites,—both combs, S C Buff Orpingtons

Old stock for sale cheap to make room for young

Dillon & Bell, 4103 Colerain Ave., Cincinnati, O

SINGLE COMB WHITE LECHORNS HOLSTON STRAIN

One of the best laying strains in the South. 75 nice yearlings for sale cheap. Also 400 March-hatched pullets and cockerels for sale at \$1.00 each. Must have the room.

NOLA CHUCKY POULTRY FARM, Morristown, Tenn.

SHELTON'S BARRED ROCKS

Winners at South's Leading Shows. Bred from Chicago and New York winners. The best in Southland. Eggs after May 1st \$1.50 per 15.

W. T. SHELTON & SON, Antioch, Tennessee

GOLDEN WYANDOTTES (EXCLUSIVELY)

Don't forget Mapleton Poultry Yards when in need of a bird to round out that prize-winning pen, or a pen that you can depend on winning with at the shows this fall, for I have the goods.

G. A. HARRISON, Sta. B, NASHVILLE, TENN.

Vice President Golden Wyandotte Club.

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CHATTANOOGA, TENN.

PUBLISHED EVERY WEEK. The leading Agricultural Journal of East Tennessee. A paper of large circulation and of splendid value to every farmer in this territory. Regular price 50c per year. By special arrangement we are enabled to offer The Industrious Hen and The Weekly News and Farm Journal, both one year for only 50c. Address all orders to

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SOUTHWEST POULTRY JOURNAL

the poultry paper of the Ozark country, published in Missouri, six months free. It is a large paper, full of valuable information to all. Send name of two friends or people who raise chickens or live on farm, with your name, please.

SOUTHWEST POULTRY JOURNAL, 100-102 Main St., Bois D' Arc, Missouri

McCLAVE'S "Old Reliable" LINWOOD POULTRY YARDS

ESTABLISHED 1874

Practical breeder of prize-winning Wyandottes, Rocks, Leghorns, Turkeys, Geese and Ducks. Winners at the leading shows of America, including New York, Boston, Buffalo, Toronto, Pittsburg, Hagerstown, Cleveland, Chicago, St. Louis and many others. More than 3000 prizes won in past three years. Choice birds for sale at all times. No difference what you want, ask McClave, he has it. :: :: :: ::

WRITE

CHAS. McCLAVE, - New London, Ohio

Arkansas State Fair

The Fourth Annual State Fair and Industrial Exposition of Arkansas will be held at Oaklawn Park, Hot Springs, seven days, October 7 to 13, 1909.

National Partridge Wyandotte Club

Officers of the National Partridge Wyandotte Club have been named and are as follows: President, C. E. George; Vice-Presidents, Earl Henry and Otto B. Cannon; Secretary-Treasurer, Wm. Erfurth, the office of the latter being at South Chicago, Ill.

The Club now has nearly 100 members, and a bright future lies before it.

A. P. R. Club Ribbons

The American Plymouth Rock Club desires to offer its club ribbons for best colored male, best colored female, best shaped male, and best shaped female at every show in the United States and Canada during the coming fall and winter. It desires fully as much to offer these ribbons at the fall as at the winter shows and it will appreciate it if the secretaries of these shows will correspond with the club secretary with that end in view. A. C. Smith, Secy-Treas, Waltham, Mass.

Jeanerette, La., Show

The Fourth Annual District Fair of the Jeanerette Fair Association will be held at Jeanerette, La., September 30 to October 3, inclusive. C. L. Monnot is manager, and this fact alone assures the success of the show. The exress companies will carry exhibits at one-half the usual rates, and this will be quite an inducement to breeders to send their birds to this show.

PARRISH

Breeds

Quality

Columbian

Wyandottes

Parrish breeds and sells more show specimens than any five breeders in the South.

There is a reason for this.
What?

The strongest color lines on earth.

Several of my customers last year in the very warmest competition, not only won color specials, but pinned up the shape specials also.

That is why I claim quality.

Write for Catalogue.

T. REID PARRISH
LICENSED JUDGE
NASHVILLE, TENNESSEE

Tri-State Poultry Show

Memphis, Tenn. is putting forth its best efforts to have the Madison Square Garden Show of the South this year and everything indicates that they will succeed.

The premiums offered have never been equaled by any Poultry Show connected with a Fair. Regular cash prizes for every standard breed of poultry, turkeys, ducks and pigeons offered by the Fair Association, amounting to \$2,000.00 and 60 special prizes are offered by the Tri-State Poultry Association, amounting to \$1055.00. This is headed by a grand special cash prize of \$125.00 for the best 15 birds, any one variety, owned and exhibited by one person. \$100.00 for first prize and \$25.00 for the second. This and all other premiums, except a few club specials, are open to the world. The amateur and juvenile features are attractive and should encourage those who have never exhibited before.

The awards will be placed by Theo. Hewes, F. J. Marshall and S. T. Campbell, all judges of national reputation who need no introduction to the poultrymen of the country.

The Hen at the State Fair

THE INDUSTRIOUS HEN will occupy a handsomely decorated booth at the Tennessee State Fair Poultry Show, Sept. 20-25, where it will be glad to see all of its readers.

WE BUY THOROUGHbred POULTRY

Write and Make Us an Offer

J. STECKLER SEED CO., Ltd.
512-516 Gravier St., NEW ORLEANS, LA.

The largest seed house in the South—vegetable, flower, field and grass; fruit trees, roses, everything. Breeders of Fancy Poultry, Swine, Pigeons, Rabbits.

TO MAKE ROOM FOR REDS

I WILL SELL 1 PEN OF WHITE ROCKS

10 pullets and hens, headed by a Charleston '08, Cockerel. Eggs from Best Strains of

S. C. R. I. REDS FOR SALE

ERNEST A. MARVIN, White Hall, S. C.

HOUDANS**SPECIAL SALE LIST NOW READY**

200 grand breeding hens and a few choice male birds at less than one-half price. Must be sold to make room for young stock. Eggs one-half price balance of season.

DR. G. W. TAYLOR, Box H, ORLEANS, INDIANA

PRINTING FOR POULTRYMEN

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BUFF and BLACK

ORPINGTONS

BUFF and BLACK

From my long established yards have come many great Prize Winners of the breed. It is easy to buy a few birds of uncertain breeding, go to some easy show, win a few prizes and advertise that your fowls are the best. But go up against the guns in National and International Battle and try it. At World's Fair, St. Louis, in competition with a State? No! the United States? No, but with the

CREAM OF THE UNIVERSE

I won on eleven entries, besides specials, 3-1sts, 5-2ds, and 2-3rds, a prize on each entry, save one injured in transit. This is But One of my Many winnings. Numerous Cups, Firsts and specials in **Including Shows** have been won by birds of my strains for many customers, whose splendid achievements in yard and show room are my ideal advertisement. Describe wants and will please you or birds may be returned at my expense.

S. LUTTRELL,

WAVERLY, ILL

Two Sacred Resurrection Plants Free. (The Rose of Jericho.)

Sacred Resurrection Plant (Rose of Jericho.) These rare and curious plants grow and stay green by placing them in water. When taken out of water they dry and curl up and go to sleep. They will keep in this state for years. Simply place the whole plant into water; it will open up and start to grow in about twenty minutes. We will send Farm News, the biggest little paper in the world for the farm home, on trial 3 months for 6 cents. Send four cents to prepay postage and expense on the plants, and 6 cents for trial subscription to Farm News, 10 cents in all.

Either offer separately if desired. Address **FARM NEWS, 243 Washington St., Springfield, O**

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE INDUSTRIOUS HEN

WILL MAKE CHICKS GROW.

WILL MAKE HENS LAY.

ODORLESS

SOMETHING TO CROW ABOUT

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The Great Tonic For Old People

Build Up the Vital Forces.

Price, 50c. Book free. Dr. Chase, 224 N. 10th St., Philadelphia, Pa.

INDIAN RUNNER DUCKS

First prize winners at World's Fair, St. Louis, Mo.; Herald Square, New York; Kansas City, Mo.; Chicago, Ill.

WHITE WYANDOTTES, white as snow. State show winners, Silver Cup winners. Birds score to 96, Pen to 101. Catalogue free. Expert poultry judge. Write me for terms and dates. **R. L. CASTLEBERRY, McCune, Kan.**

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AND

SEAL PRESSES

S. B. NEWMAN & CO.

KNOXVILLE, TENN.

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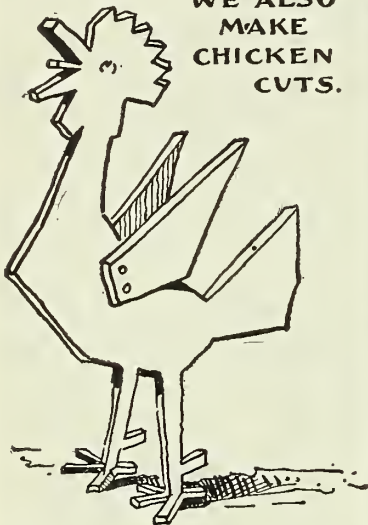
Utica, Miss., April 19, 1909.

The Industrious Hen, Knoxville, Tenn.

Dear Hen:—My husband subscribed for your paper a short while since and I am so much delighted with it that I feel compelled to write you. I think your paper a valuable one, indeed to poultry raisers (I am one) and I would not be without it, since I have gained valuable information from it during the past four months. Mrs. Laura A. Bryan's letter in the April number was worth the price of the paper to me. I am a great fancier of the Rhode Island Reds, have been breeding them for two years and won't have any other kind. According to my idea they are the best all-around farm chicken we can have. I have invested a little money in prize winning eggs to improve my strain and am trying to raise quite a lot of choice hens and cockerels for sale later and also sell eggs.—Mrs. H. S. Foote.

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CHICKEN
CUTS.



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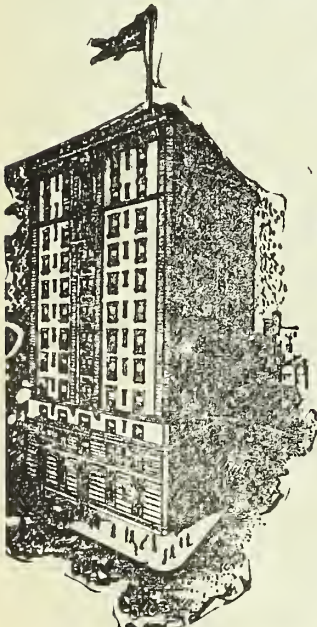
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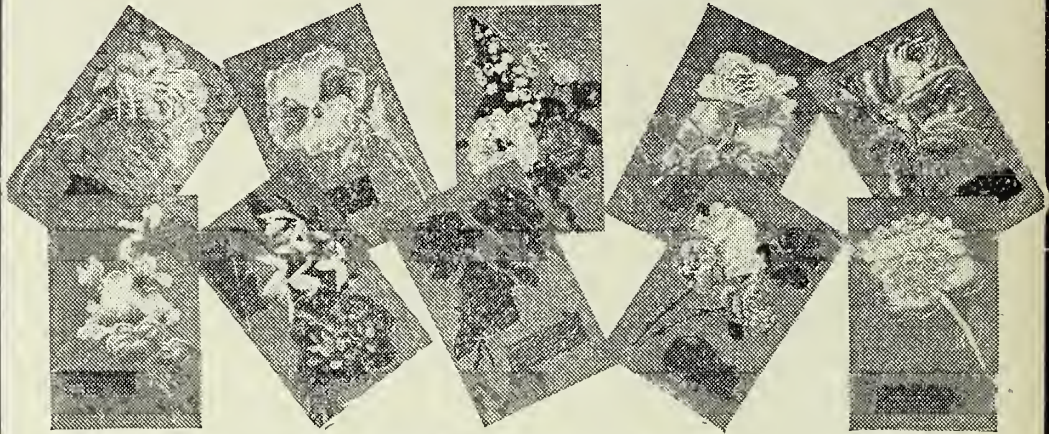
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Good Laying Hens, \$1.00 each. A few Yearling Cocks at \$1.00 and \$2.00. Eggs less than one-half price, \$1.00 and \$2.00 per 15 balance of season. A few White Leghorn Yearling Cocks, \$1.00 and \$2.00 each.

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BUFF AND WHITE
PRICE OF EGGS REDUCED
Dr. J. A. Posey, Frankfort, Ky.

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For May and June I offer eggs \$1.50 per 15. A nice lot of yearling hens at \$1.50 to \$3.00 each. A few good males at \$2.00, \$3.00 and \$5.00 each, all bred from my best stock. Catalogue.
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White Wyandottes, Brown and White Leghorns, write
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CRESCENT, LOUISIANA

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Salary or commission. First class job for the right man. A regular tour of fairs and poultry shows. August to March. Address THE INDUSTRIOUS HEN, stating experience, ability and giving reference.

Notice

To members of the National Single Comb Rhode Island Red Club: The annual meeting and election of officers for 1910, of the above club will be held at the Poultry Department, State Fair Grounds, Springfield, Illinois, Monday, October 4, 1909, at 8:00 o'clock p. m. All who can do so, should attend the school of instruction and both meetings.—J. H. Valliere, Secretary, Cedar Rapids, Iowa.

Seattle Poultry Show

In addition to the Live Stock exhibition to be held at the Alaska-Yukon-Pacific Exposition, September 27th to October 9th, and in connection therewith, will be held one of the largest Poultry shows ever contemplated in the West.

Post Cards Are Fine

Alpena Pass, Ark., June 21, 1909
THE INDUSTRIOUS HEN Co., Knoxville, Tenn.
I received your twelve handsome post-cards and they are certainly fine.
Thanking you for same. I am—H. E. CHICKERING.

Barred P. Rocks

Winners of the Highest Honors in the Strongest Company. Choice Exhibition Males and Females for Early Shows at Honest Prices.

T. J. GOODLETT, TRAVELERS REST, S. C.

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Yearling Cocks and Hens, Cockerels and Pullets

This year's eggs at half price, \$2.00 and \$3.00 per setting of 15. First prize cock Knoxville, '08 show for sale. Call for free circular and get full particulars of matings.

M. S. Copeland, R. 1, Powell Sta., Tenn.

"I regret very much that I could not send you something for your 'Red' issue, on account of the prolonged illness and death of my father. I believe you will be glad to know that THE HEN has given me great returns this year—all that I could ask or expect."
Mrs. Frank Langford, Nashville, Tenn.

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Send 10c for our 1909 Catalogue. Chuck full of useful information. Describes and Illustrates 35 Varieties. You Can't Afford to be Without it.

EAST DONEGAL POULTRY YARDS, Marietta, Pa.

ALABAMA STATE FAIR POULTRY SHOW

BIRMINGHAM, ALA., OCT. 11th to 21st

LIBERAL CLASSIFICATION NEW MANAGEMENT

The largest and most valuable list of Specials ever offered before. Cash Specials in the American, Asiatic, Mediterranean, Orpington and Turkey Classes.

Entry fee, 25c for Singles. \$1.00 for Pens. Pigeons Free. Premiums on Singles, \$2.00 Firsts; \$1.00 Seconds; Third, Fourth and Fifth, Ribbons. Three Individual entries to fill.

Pigeons, \$1.00 Firsts; 75 cents Seconds; Third Ribbon. Entries close Oct. 11, 6 p. m. R. E. Jones, Judge. Premium list upon application to

E. H. GALUSHA, Supt. of Poultry, ENSLEY, ALA.

BUFF ROCKS

STOCK AND EGGS FOR SALE

SOME RARE BARGAINS IN GOOD BREEDING

MALES AND FEMALES

Eggs Now Half Price, \$1.50 and \$2.50 Per 15

CIRCULAR FREE

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WHITE WYANDOTTES**BRED TO LAY****W. A. LILLARD, 813 Lischey Ave.
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HARP'S S. C. Buff Orpingtons and Buff Cochins Bantams. Breeding stock for sale at a bargain. Some early hatched birds for the fall shows now ready. **ROGER V. HARP, Short Street, LEXINGTON, KENTUCKY.**

S. C. BUFF ORPINGTONS**Mammoth Imperial and
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Three hundred young and old birds for sale at the very lowest prices. Must be sold as I am going to move.

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Hotel****LONG DISTANCE PHONES
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Rooms with Bath, \$3.50 and \$4.00
Per Day.**

AMERICAN PLAN**The E. Tenn. Poultry Association**

Will hold its Fifth Annual Exhibition at Knoxville, Tenn., January 5, 6, 7, 8, 1910. D. M. Owen, of Tennessee, and H. W. Blanks, of Louisiana, judges. The Association will offer a line of handsome Silver Cups as Special Prizes on all leading varieties, in addition to its usual long list of cash and other special. **THE INDUSTRIOUS HEN Silver Loving Cup**, offered for the "Highest Scoring Pen of Birds in Show, all Classes Competing" will prove a popular feature. We invite exhibitors from all sections of the country to show with us.—**JOHN E. JENNINGS, Secretary-Treasurer, 202 W. Fifth Ave., Knoxville, Tenn.**

Cincinnati Show

The twelfth annual show of the Cincinnati Poultry and Pet Stock Company will be held Nov. 30 to Dec. 5. W. C. Pierce and Loring Brown are the judges. For premium list address Dr. O. S. Rightmire, 4140 Hamilton Ave., Cincinnati, O.

"The most tranquil, the most reposeful garden human eyes ever beheld"—that of Coldstream Plantation, Sumter County, South Carolina, the home of the Witherspoon family—is the subject of a sketch in the August *Century*, the Midsummer Holiday Number; and a number of illustrations from photographs will further indicate the charm of this historic garden.

**S. C. BUFF LEGHORNS Embden Geese, Rouen Ducks,
M. B. Turkeys, Pearl Guineas.****EGGS, BREEDERS | P. M. BROWN, ST. MATTHEWS, KY. | WINNERS, LAYERS****Poultry Disinfectants**

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Qt. Can 75c, 1-2 Gallon Can \$1.50, Gallon Can \$2.25**The International Paint Mfg. Co.****Chemical Dept. Division 19****Richmond, Virginia****You Want More Pleasure and Profit**

Then here's an opportunity you owe yourself—appreciated by the GOOD WIFE—a chance for the development of thrift in the SON. Replace the drones in your poultry yard with the hustling Buff or Black

ORPINGTON

Which, aside from their SUPERIOR table qualities, have repeatedly won FIRST PLACE in officially conducted laying contests open to all breeds. While choice exhibition specimens command prices which may stagger those who have not as yet grasped the possibilities of this most valued breed. If you cannot afford CHAMPIONS of the show room, let me quote you on specimens rich in their blood—prices you will pay. ALSO REGISTERED JERSEY CATTLE OF HEAVY PRODUCING FAMILIES, AND GOLDEN FLEECE COTSWOLD SHEEP, shearing up to 24 pounds each. Let me serve you. Your interests are mine.

S. LUTTRELL, WAVERLY, ILL., U. S. A.**FOWLER'S CHAMPION BUFF PLYMOUTH ROCKS****ARE THE ACKNOWLEDGED CHAMPIONS**

Exhibited by me personally, they have won seven times as many first and second prizes as all competitors combined. In the hands of customers they have won first and special prizes at the leading shows of the country, and this year won the Championship Cup of America for best cock, hen, cockerel and pullet, defeating Jamestown, Indianapolis, Philadelphia and Madison Square Garden, N. Y., first prize winners. Eggs, \$5.00 per fifteen; \$9.00 for thirty. If you want birds of this kind, order direct from headquarters.

C. W. FOWLER - - Box 2003 - - SMYRNA, GEORGIA**MILES' S. C. RHODE ISLAND REDS and BARRED PLYMOUTH ROCKS****THE BEST YOUR MONEY CAN BUY—THEY HAVE WON AT STATE AND NATIONAL SHOWS FOR 10 YEARS**

Our record made at, Cleveland, O., Cincinnati, O., Indianapolis, Ind., Columbus, O., and Nashville, Tenn., has never been equaled. Add to this our winning at *Pittsburg, Pa.*, Feb. 1909, (one of the greatest shows in U. S.) we won on Reds, 4th ck, 1st hen, 1st cockerel, 1st pullet, 1st pen, both color and shape specials. Gold special for best pen, cup for best display and A. P. A. special for best chl.

On B. P. Rocks, 1st and 3rd cock, 3rd, 4th and 5th hen, 4th pen. Some good breeding birds still for sale at from \$3.50 to \$10.00. Send for free mating catalogue. EGGS \$5.00 PER 15. Please mention this paper. Address

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The Industrious Hen Sewing Machine is all right. I have been using mine for some time now and I am perfectly satisfied with it. I would not take what I gave for it. Any one wishing to buy a machine will do right if they buy an *Industrious Hen Machine*.—Miss Ida M. Sullenberger, Knoxville, Tenn.

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I wish to say with regard to *The Industrious Hen Sewing Machine* that in my opinion it is as good as a sixty dollar machine. My wife has been using it for about two years and it has never been out of fix in the least. It is "O. K." Wm. C. Rayburn, Guntersville, Ala.



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Nutrum Salts makes it possible. Bulletin No. 2 tells why. If your Chickens are not living well or growing rapidly, send for a free copy of the Bulletin.

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I make everything the practical poultry raiser needs. Model Food Boxes, Drinking Fountains, Lice Spray, Lice Dust, Sulphur Candles, Roup Cure, Cholera Cure, Disinfectant, Scaly Leg Ointment, Poultry Remedies, Fly Driver, Naphthalene Nest Eggs, Toe Markers, Poultry Foods, Etc. All of the same high quality as the Model Incubators and Brooders which you will soon be wanting. Get busy now. It's your opportunity.

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Breeds White and Barred Rocks of the best Strains.

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One of the most successful breeders has his brooders in the open air. He is a strong believer in fresh air and follows out his conviction, although the majority use brooder houses built as above. One successful breeder on three acres of land devotes his entire time to poultry, both fancy and utility. He is completing buildings to handle 1,400 hens.

With from 600 to 700 hens his receipts from September 1, 1907 to September 1, 1908, amounted to \$3,143 from both eggs and poultry. The expense for feed during this period was \$1,800. His profits therefore, were about \$2 a hen.—*N. Y. Tribune Farmer.*

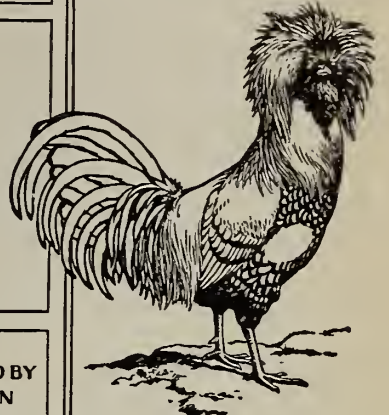
Poultry at Newark Mo.

A good poultry show will be held in connection with the Newark, Mo. Fair, Sept. 7th-10. J. C. Callaghan is secretary and B. F. Dinwiddie, judge.

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BLUE ANDALUSIAN and White Face Black Spanish. Tennessee State Fair winners 1908. Eggs 15 for \$1.65; 30 eggs for \$3.00. A. N. Brown, Woodbury, Tenn. 67

BLUE ANDALUSIANS, White Faced Black Spanish, Silver Spangled Hamburgs, S. C. White Leghorns and Rouen Ducks. Ribbon winners. Score to 95 1-2. Stock and eggs. H. R. Birchett, Lebanon, Tenn. 66

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RARE BARGAINS—Golden and Silver Sebright, Buff and Black Cochins, Rose Comb Black and Black-breasted Red Game Bantams. Proper & Co., Schoharie, N. Y. 74

BUFF COCHIN BANTAMS—Exclusively—The Lemon Buff Strain desired by all exhibitors—surface and under Buff. 61 ribbons in four shows—more than all competitors. Great layers, fine shape, very small. A square deal or your money back; honor more than gold. Eggs \$1.50 per 15. Stock for sale. Pryor's Bantam Yards, E. E. Pryor, Prop., Martinsville, Ind. tf

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SCOTCH Collie Pups for sale, of the best blood in America and from Imported champion and prize winning stock. Tricolor and sable and white from \$10 to \$25 each. Knox Collie Kennels, Knoxville, Tenn. tf

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SILVER SPANGLED, GOLDEN PENCIL—ed; Blue Ribbon winners. Chicago, Blue Island, Elgin. Eggs \$1.50 to \$2.50 per 15. Van Reenen, 6438 May St., Englewood, Ill. 63

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WHITE AND BLACK LANGSHANS. Winners at the great Louisville shows. Have none but winners in my breeding pens. Great winter layers. Eggs, \$3 per 15. E. A. Flora, Mauckport, Ind. 65

BLACK LANGSHANS—Will sell Black Langshan eggs from stock bred from prize winners \$1.50 per setting. Elmer Taylor, Bardwell, Ky. 63

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BUFF ORPINGTONS, Hot Springs, Memphis, Little Rock Winners. Cockerels \$1.50. Good hens, \$1.50. Mrs. W. A. Gibbons, Conway, Ark. 63

SINGLE COMB BUFF ORPINGTON eggs \$2.00 per 13; fine layers, beautiful birds, none better. Mrs. Georgia West, R. 6, Morristown, Tenn. 63

S. C. ORPINGTONS AND LEGHORNS, White, Black and Buff. Winners head my yards. \$1.00 to \$3.00 per 15; \$5.00 to \$10.00 per 100. Satisfaction guaranteed. J. J. W. Mays, Lynchburg, Va. 68

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BARGAINS IN PIGEONS—Desiring to change location, I offer white and colored Homers and Red Carneaux all mated, working and in a fine condition at a bargain. E. E. Pryor, Martinsville, Ind. tf

I OFFER guaranteed mated Homers in any quantity at \$1.00 per pair, and challenge Squab companies or dealers to produce better stock at twice this price. Beautiful white Homers \$1.50 pair. Get my prices on Runts, Carneaux and Maltese Hens, and save dollars. "Charles Q." Gilbert, 1563 East Montgomery Ave, Philadelphia, Pa. 67

REDS.

WILLIAMSON STRAIN Rose Comb Rhode Island Reds. Prize winners in America's leading shows. Quick growers, vigorous and heavy layers. Eggs for hatching from select exhibition matings, \$1.50 per fifteen. Williamson Farms, Mattoax, Va. 71

BUSINESS HEN FARM—Single Comb Rhode Island Reds. Eggs \$1.15 to \$2.00 per 15. Robt. S. Taylor, Prop., Box 211, Mt. Olive, N. C. 65

SINGLE COMB RHODE ISLAND REDS. White Wyandottes, Buff Rocks. Stock and eggs. Eggs \$1.50 per 15. Mrs. Chas. Seiferman, Corinth, Miss. 73.

SINGLE COMB R. I. REDS—High scoring birds; stock and eggs for sale; eggs \$2.00 per 15; \$3.50 per 30. Fleming's Drug Store, McMinnville, Tenn. 63

EGGS FROM BRED TO LAY AS well as pay. S. C. Rhode Island Reds, 15, \$1.50; Barred Rocks, 15, \$1.25. Orders solicited. L. K. Russell, Palmyra, Tenn. 66

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The thirteenth annual exhibition of The Charlotte Poultry Association will be held January 14 to 18, 1910 inclusive, and the members are all working in harmony for its best interests. Judge W. Theo. Wittman, of Allentown, Pa., will be the principal judge with others to be announced later. The show will be held in the Auditorium which has floor space sufficient to coop five thousand birds. Keep your eye on Charlotte, North Carolina, and don't forget the dates.

The Latest About Consumption

What is being done by state and city governments, private associations and institutions to control consumption is recorded in "The Campaign Against Tuberculosis in the United States."

This useful volume is published by the National Association for the Study and Prevention of Tuberculosis in co-operation with the Russell Sage Foundation and may be obtained for one dollar a copy at the National Association office, 105 East 22nd Street, New York.

Poultry Printing

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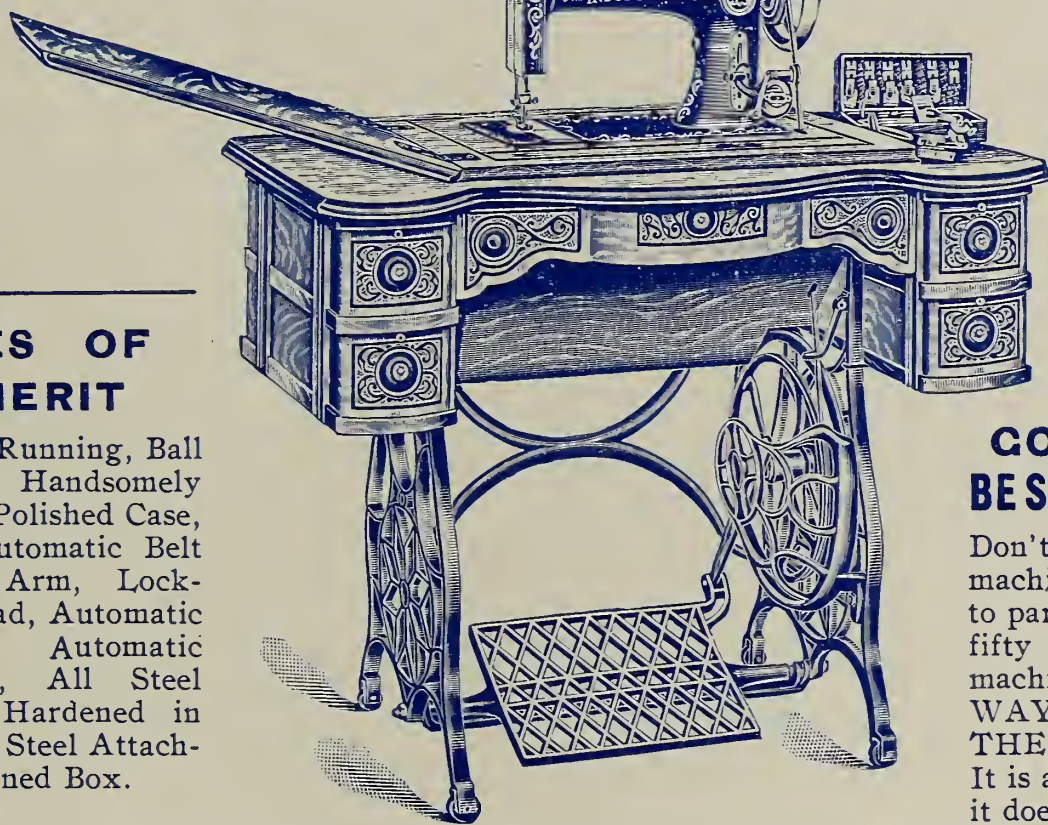
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Don't let the wily sewing machine agent induce you to part with forty-five or fifty dollars for a sewing machine which IS IN NO WAY SUPERIOR TO THE "Industrious Hen". It is a well known fact that it doesn't cost any more to

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All this expense is eliminated by us in our offer to you of the **INDUSTRIOUS HEN** sewing machine at manufacturer's cost, plus a small commission for our trouble.

The Sewing Head with a full-size arm, has more improvements, conveniences and time and labor saving devices than any other sewing machine of like grade in this country. It makes the double lock stitch—a stitch that is always smooth, even and perfect, and it runs easily and quietly. A few of the features are: Spring Tension with convenient release, Improved Take up, Positive, Double Width, Steel Forged Four Motion Feed, Automatic Bobbin Winder, Self-Threading Shuttle, Self-Setting Needle, Gear Releasing Device, Improved Stitch regulator on face of arm and Nickled Steel Removable Face Plate. The Working Parts are made of fine quality hardened tool Steel, which, with proper care will last a lifetime.

The Case of this model is very attractive in appearance and substantial in construction as the illustration clearly shows. The four deeply embossed side drawers and the center drawer with their turned wood, brass faced handles are extra large and solid. There is an eighteen-inch tape measure inlaid in table for the convenience of the operator and a simple but effective device for raising sewing head to position.

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